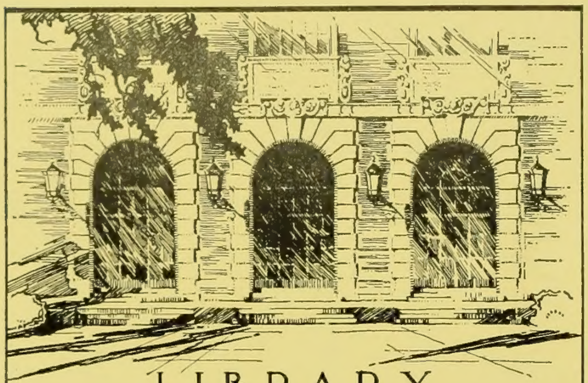

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U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

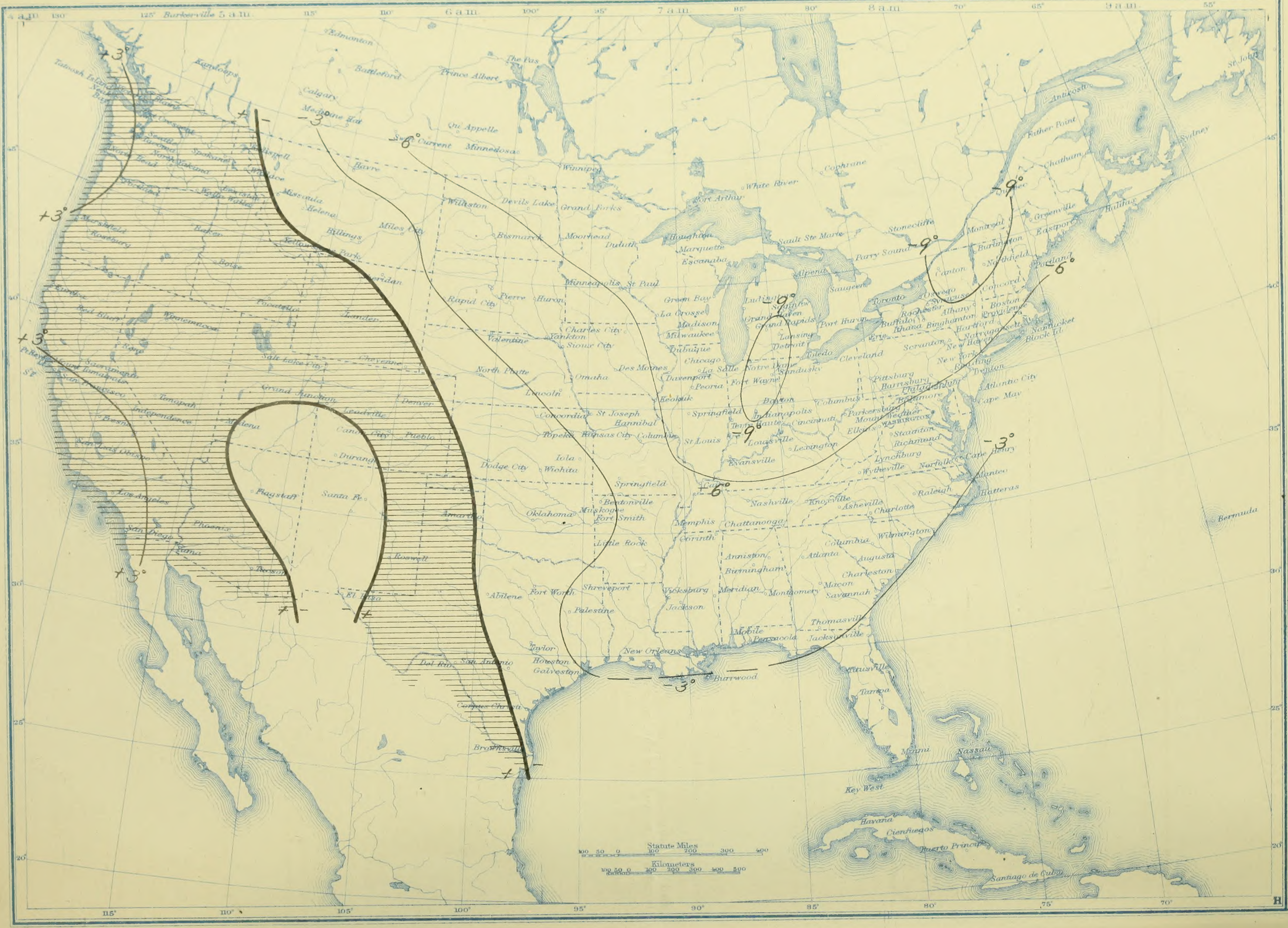
NEVADA SECTION

FEBRUARY, 1914

BY
HARVEY S. COLE
SECTION DIRECTOR

LOS ANGELES, CAL.
WEATHER BUREAU OFFICE
MARCH 18, 1914.

Departure of the Mean Temperature from the Normal, February, 1914.



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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

Vol. XXIX. Reno, Nevada, February, 1914. No. 2.

GENERAL SUMMARY.

February was a very mild month. The temperature was above normal except over a narrow area extending from the northeast portion of the State to the southwest border. The first week was rather cold, but no very low temperatures were recorded Two light storms occurred in the northern counties from the 4th to the 7th, and from the 10th to the 13th. A storm extended over the entire State from the 17th to the 25th, and was rather heavy along the southwest border and in the extreme south. Monthly amounts were less than normal except in the extreme southern and southwestern portions, and two small areas in the central and northeastern portions. Fruit trees began blooming in the extreme southern portions on the 20th, and they have had no killing frost there since the 8th of the month.

PRESSURE.

The mean atmospheric pressure for the month, reduced to sea level, was 30.13 inches, which was 0.07 inch above normal. A small area of low pressure crossed the State the 4th and 5th, causing precipitation in the northern counties, and a large area moved up the coast and crossed north of Nevada from the 17th to the 22d, and in connection with the high pressure that followed it caused precipitation over the entire State.

TEMPERATURE.

The mean temperature for 41 stations in Nevada, for February was 35.5 degrees, which was 2.4 degrees above normal, and was 3.7 degrees higher than for February, 1913. The lowest monthly mean in the State was 22.4 degrees, at Gold Creek, in the Columbia Basin. Monthly means were also low in the eastern portion of the Humboldt Basin and near the eastern border, but ranged from 34 degrees to 49 degrees in other portions. The highest temperature recorded during the month was 79 degrees, at Logan, on the 22d; the lowest, 16 degrees, at Tecoma, on the 6th. The first week of the month was rather cold, and the lowest temperatures were nearly all recorded during this week, frequently on the 6th. The remainder of the month was enough above normal to cause positive departures of 10.5 degrees, at Battle Mountain, 8.5 degrees, at Tecoma, and 4 degrees at other places. The last few days were especially warm, and most of the highest temperatures occurred during that time.

HUMIDITY.

The relative humidity was slightly below normal, due to the large number of clear days.

PRECIPITATION.

The average precipitation for 51 stations in Nevada was 0.87 inch, which was 0.39 inch less than normal, and was nearly twice the amount for February, 1913. In the Columbia, Humboldt and Truckee basins the monthly amounts were considerably less than normal, but in the Carson, Walker and Colorado basins they were normal or above. The average in the Humboldt Basin was 0.52 inch, which was 0.41 inch less than normal. In the Truckee Basin the average of 11 stations was 3.23 inches, which was 1.22 inches less than normal but was over three times as much as for February, 1913. The average for five stations in the Carson Basin was 2.80 inches, which was about normal, and was just twice as much as for February, 1913. The average for five stations in the Walker Basin was 1.18 inches, which was slightly above normal, and was nearly twice as much as for February, 1913. The stations are nearly all in the valleys and do not represent the amounts in the mountains, but by comparison with other years an estimate of the amount there is possible. Reports from nearly all portions of the State indicate that there is sufficient water stored in the mountains for irrigation purposes next summer. Heavy rains from the 17th to the 21st caused quite a flood in Meadow Valley Wash.

WIND.

The prevailing direction of the wind was from the west, but at a number of stations it was from the southwest or south. The average velocity was considerably less than usual. Some damage was done by high winds in eastern portions of the State on the 20th.

SUNSHINE AND CLOUDINESS.

The average number of clear days was 15; partly cloudy, 6; cloudy, 7. There was an unusual amount of sunshine, owing to the number of clear days being four greater than usual. The number of rainy days was 5, about the usual number.

MISCELLANEOUS PHENOMENA.

Thunderstorms occurred on the 10th and 21st.

Sleet occurred on the 10th, 11th, 12th and 19th.

Fog occurred on the 12th.

Lunar halos occurred on the 3d and 9th.

An earthquake occurred on the 18th, at 10:17 a. m. The disturbance seemed to be near Reno. It was felt as far east as Fernley and at places south of Tonopah.

COMPARATIVE DATA FOR FEBRUARY.

Year.	Temperature.			Average precipitation.	Number of days				Prevailing wind.
	Mean.	Highest.	Lowest.		With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1890	30.7	88	−41	1.55	9	11	8	9	s
1891	30.5	66	−19	2.39	7	8	12	8	s
1892	33.4	65	−18	0.95	4	7	12	10	s
1893	29.0	69	−40	1.43	5	10	15	3	sw
1894	25.7	71	−41	1.92	6	9	10	9	sw
1895	31.1	77	−35	1.23	4	13	6	9	n
1896	35.2	86	−12	0.20	2	16	8	5	w
1897	30.1	67	−22	2.00	11	11	9	8	s
1898	36.9	79	− 2	0.29	2	12	10	6	w
1899	33.3	73	−27	0.55	4	13	7	8	w
1900	35.3	76	−12	0.51	4	11	6	11	sw
1901	31.6	77	−27	2.61	8	7	5	16	sw
1902	36.4	75	−16	1.42	6	7	9	12	sw
1903	20.7	86	−32	0.56	3	17	5	6	n
1904	35.9	73	−15	2.48	7	9	7	13	sw
1905	37.8	80	−37	1.13	4	14	6	8	n
1906	36.4	69	2	1.03	5	10	6	12	sw
1907	41.9	78	9	1.28	4	11	7	10	n
1908	34.6	79	−10	1.07	4	12	9	8	s
1909	33.5	73	− 7	1.03	5	9	9	10	sw
1910	30.6	79	−22	0.37	2	11	9	8	sw
1911	27.8	77	−26	1.12	5	12	7	9	s
1912	36.3	79	− 3	0.26	2	11	10	8	w
1913	31.8	74	−20	0.44	3	14	7	7	w
1914	35.5	79	−16	0.87	5	15	6	7	w
Entire period	32.9	88	−41	1.15	5	11	8	9	sw

FEB 25 '43

Climatological data for February, 1914.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days				Prevailing direction of the wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted.)	With precipitation (0.01 inch or more.)	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek	Elko	6,600	1	22.4	......	42	†10	−15	†3	47	1	0.86	......	0.29	8.5	10	7	10	11	n	Forest Supervisor.
Jack Creek	do	6,300	...	......	......	......	......	......	......	...	1	2.43	......	0.47	17.5	9	11	9	8	......	C. E. Butler.
Owyhee	do	5,400	3	31.7	......	57	†9	−3	6	39	3	0.81	......	0.31	10.5	7	13	7	8	se	Frank Weber.
San Jacinto [f]	do	......	9	......	......	......	......	......	......	...	9	0.61	+0.06	0.15	4.5	7	8	3	11	......	F. W. McEntire.
Humboldt Basin.																					
Arthur	Elko	6,500	...	......	......	......	......	......	......	...	4	1.05	......	0.30	18.0	7	20	0	8	......	Isaac Woodhouse.
Battle Mountain	Lander	4,843	43	42.9	+10.5	63	1	16	5	39	45	0.25	−0.50	0.25	2.5	1	9	10	9	......	Southern Pacific Co.
Beowawe	Eureka	4,905	43	34.3	+2.2	61	28	11	6	29	45	T.	−0.71	T.	T.	0	16	5	7	......	Do.
Dry Farm	Elko	5,600	2	29.9	......	51	28	8	3	32	5	0.83	......	0.35	......	7	...	...	...	......	Waltrid Sohlman.
Elko	do	5,432	43	28.4	−0.3	64	28	−2	6	41	43	0.69	−0.25	0.25	3.6	7	14	7	7	nw	Western Pacific Co.
Eureka	Eureka	6,500	16	30.2	+0.5	55	28	−2	6	35	18	1.45	+0.23	1.25	8.0	6	9	10	9	s	Clay Simms.
Golconda	Humboldt	4,697	35	37.0	+3.3	54	26	17	6	28	37	0.19	−0.38	0.15	......	3	16	8	4	w	Southern Pacific Co.
Halleck	Elko	5,631	21	25.0	−0.2	50	28	−8	2	44	45	0.30	−0.64	0.20	3.0	2	19	5	4	......	Do.
Hylton	do	7,081	...	......	......	......	......	......	......	...	4	0.92	......	0.72	2.0	3	12	11	5	......	Chas. Toyne, sr.
Lovelocks	Humboldt	3,997	20	40.2[g]	+4.5	74	23	15	9	44	18	0.39[b]	−0.04	0.22	......	6	4[f]	7	11	s	High School.
Metropolis	Elko	......	1	23.8	......	47	28	−4	6	32	5	0.53	......	0.16	6.5	6	...	...	...	......	O. M. Lloyd.
North Fork	do	6,500	...	......	......	......	......	......	......	...	5	0.12	......	0.06	1.7	2	15	1	12	w	Chas. Pratt.
Potts	Nye	5,040	21	24.8	−2.3	49	28	−8	†6	38	23	0.03	−0.63	0.02	1.0	2	15	5	8	s	Miss Maud Potts.
Rose Creek	Humboldt	6,350	...	......	......	......	......	......	......	...	4	1.00	......	0.62	5.0	6	...	...	...	......	Peter Righers.
Tecoma	Elko	4,812	36	28.2	+8.5	51	†15	−16	6	63	37	0.06	−0.49	0.02	4.5	5	5	12	11	......	Southern Pacific Co.
Wells	do	5,631	42	29.0	+3.0	60	†15	0	3	50	45	0.50	−0.68	0.30	5.0	2	14	6	8	......	Do.
Winnemucca	Humboldt	4,432	35	36.4	+3.1	62	28	15	6	32	45	0.51	−0.42	0.32	0.3	8	12	5	11	sw	U. S. Weather Bureau.
Truckee Basin.																					
Fernley	Lyon	4,200	41	36.8	+0.6	64	28	9	6	40	45	0.78	+0.21	0.61	......	3	19	3	6	......	Mrs. G. A. Steele.
Lewers Ranch	Washoe	5,500	26	35.4	−0.2	61	28	8	7	33	27	0.70	−2.95	0.50	7.0	2	7	15	6	......	Ross Lewers.
Marlette Lake	do	7,900	...	......	......	......	......	......	......	...	1	3.26	......	1.38	34.0	5	13	1	14	......	V. & G. H. Water Co.
Reno	do	4,532	27	37.8	+2.2	63	28	16	2	31	27	0.86	−0.93	0.42	0.7	5	13	7	8	w	U. S. Weather Bureau.
Bijou, Cal	Eldorado	6,230	...	......	......	......	......	......	......	...	5	2.26	......	1.08	13.0	3	18	0	10	......	Chas. Young.
Cathedral Park, Cal	do	6,400	2	37.4	......	55	†8	16	7	35	2	2.96	......	1.10	23.0	7	11	7	10	s	Carl Fluegge.
Deer Park, Cal	Placer	6,500	...	......	......	......	......	......	......	...	5	8.10	......	2.80	24.0	5	14	9	5	......	Miss K. Chandler.
Hobart Mills, Cal	Nevada	5,900	...	......	......	......	......	......	......	...	5	4.80	......	1.71	38.0	6	18	3	7	n	S. E. Patterson.
McKinneys, Cal	Placer	6,225	5	......	......	......	......	......	......	...	5	3.41	......	0.90	29.5	7	12	3	13	s	Fred Jensen.
Tahoe, Cal	do	6,240	6	27.6	......	45	†15	2	6	37	6	5.26	......	1.63	47.0	7	21	0	7	e	Robert Watson.
Tallac, Cal	Eldorado	6,230	...	......	......	......	......	......	......	...	5	3.15	......	1.20	21.0	5	6	14	8	nw	J. H. Pomin.
Carson Basin.																					
Fallon	Churchill	3,965	20	38.4	+2.3	68	28	17	7	41	20	0.42	−0.21	0.29	0	3	19	2	7	se	U.S. Experiment Station.
Gardnerville [f]	Douglas	4,830	23	38.0	+2.0	61	28	17	†6	34	24	2.34	+0.88	0.78	......	5	15	4	3	w	Forest Service.
Lahontan	Churchill	4,200	2	40.1	......	67	28	19	5	30	4	0.20	......	0.10	0.3	3	16	11	1	w	U.S. Reclamat'n Service.
Markleeville, Cal	Alpine	5,525	...	......	......	......	......	......	......	...	5	3.00	......	1.10	11.0	6	15	5	8	s	Mrs. Mary Thornburg.
Woodfords, Cal	do	5,634	...	......	......	......	......	......	......	...	5	8.05	......	1.65	......	8	17	0	11	sw	G. P. Merrill.
Walker Basin.																					
Mina	Mineral	4,600	7	38.7	−0.4	65	28	11	7	39	18	0.53	+0.25	0.34	0	3	21	0	7	n	Southern Pacific Co.
Smith	Lyon	4,000	...	......	......	......	......	......	......	...	6	1.00	......	0.67	1.0	2	15	4	9	sw	C. M. Carter.
Yerington	do	4,375	5	36.9	......	62	28	16	†6	37	5	0.54	......	0.49	1.0	2	16	5	7	ne	High School.
Bridgeport, Cal	Mono	6,500	1	19.2	......	50	11	−19	2	53	3	1.45	......	0.76	17.0	5	18	5	5	w	A. F. Scott.
Lundy, Cal	do	8,000	...	......	......	......	......	......	......	...	5	5.50	......	......	62.5	5	16	4	8	......	W. H. Smith.
Shields Ranch, Cal	do	5,300	...	......	......	......	......	......	......	...	5	2.37	......	0.86	2.2	4	21	1	6	......	F. W. Chichester.
Colorado Basin.																					
Caliente	Lincoln	4,407	4	34.4	......	55	19	12	3	32	4	0.29	......	0.10	0	5	19	0	9	s	Salt Lake Route.
Indian Springs	Clark	3,136	1	44.4	......	64	11	23	†3	36	1	0.24	......	0.18	0	2	21	3	4	w	Ira McFarland.
Las Vegas	do	2,033	12	49.2	+4.0	75	28	25	7	40	12	0.65	+0.11	0.30	0	3	19	6	3	s	C. P. Squires.
Logan	do	1,355	7	49.2	+0.4	79	22	21	7	44	7	0.99	+0.35	0.38	0	4	20	4	4	n	Orin W. Jarvis.
Minor Basins.																					
Cherry Creek	White Pine	6,450	6	27.8	......	53	28	3	3	35	6	0.85	......	0.42	6.2	8	11	10	7	w	J. H. Leishman.
Columbia	Esmeralda	5,750	7	36.4	......	64	28	15	2	36	9	1.72	......	0.91	......	4	20	4	4	nw	A. Booth.
Gerlach	Washoe	3,931	2	......	......	......	......	......	......	...	2	0.68	......	0.30	T.	4	19	3	6	w	Western Pacific Co.
Geyser	Lincoln	6,055	10	24.9	......	60	28	0	†4	45	10	1.01	......	0.80	......	2	10	13	5	s	Mrs. J. F. Wambolt.
Jean ††	Clark	2,074	6	49.8	......	70	†27	30	11	29	6	0.05	......	......	0	2	13	10	5	sw	Salt Lake Route.
Leeland	Nye	2,500	1	48.0	......	72	28	26	†4	38	1	0.34	......	0.14	0	3	17	6	5	nw	Agent T. & T. R. R. Co.
Lida	Esmeralda	6,037	2	35.8	......	59	27	11	6	34	2	2.06	......	0.97	......	4	23	2	3	nw	L. F. Detwiler.
McDermit	Humboldt	4,700	24	33.2	+2.5	57	28	8	6	36	24	0.30	−1.05	0.17	0.4	5	13	11	4	sw	F. M. Bullock.
McGill	White Pine	6,338	4	32.8	+4.3	58	28	9	2	34	4	0.36	−0.69	0.36	3.6	1	18	3	7	s	R. E. Middagh.
Millett	Nye	6,002	6	35.8	......	62	28	8	7	41	7	0.87	......	0.53	2.0	5	17	4	7	......	Fred J. Jones.
Oasis Ranch	Esmeralda	5,106	2	36.4	......	63	28	11	15	41	2	0.95	......	0.85	......	2	15	9	4	s	A. S. Patterson.
Quinn River Ranch [g]	Humboldt	4,850	12	33.5	+3.4	59	28	12	†3	33	13	0.08	−0.56	0.08	0	1	12	2	7	sw	F. M. Payne.
Rebel Creek	do	......	2	36.1	......	59	28	12	6	32	3	0.64	......	0.15	0.5	6	17	4	7	sw	Mrs. E. J. Hyatt.
Rhyolite	Nye	3,680	1	46.4	......	70	14	26	10	38	1	1.70	......	1.35	0	2	12	16	0	n	Chas. Kirchen.
Sand Pass	Washoe	4,198	1	......	......	......	......	......	......	...	1	0.54	......	0.35	......	3	11[f]	0	11	......	Western Pacific Co.
Searchlight	Clark	3,445	1	47.2	......	66	28	29	7	24	1	2.57	......	1.01	0	5	20	2	6	n	C. L. Aug. Mahn.
Tonopah	Nye	6,090	9	36.0	......	57	28	18	6	23	9	0.59	......	0.51	T.	3	16	5	7	se	U. S. Weather Bureau.

Estimated and incomplete data not considered in means.

All other data are considered in determining section means, but the mean departures from the normal temperature and precipitation are based on records from stations that have ten or more years of observations.

Reference letters [a], [b], [c], appearing in the table indicate number of days missing; for example, [b] represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for February, 1914.

Stations.	Day of month.																															Total.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia Basin.																																
Gold Creek				.04	.04	.03	.02			*	.25	T.	.11					T.		.02	.29				.03							0.86
Jack Creek				.14	.31						.09		.37					.22			.21	.13		.47	.19		T.					2.13
Owyhee				.05	.08						.31	T.	.16								.03	.01	.17									0.81
San Jacinto					.02		.05				.15		.10							.08			.13		.08							0.61
Humboldt Basin.																																
Arthur				.10									.20				*	.20	.30	.10		T.			.15							1.05
Battle Mountain‖				.25																T.	T.											0.25
Beowawe ¶																																T.
Carlin ¶																																
Clover Valley																																
Dry Farm											T.		.06					.06	.13	.01	.35	.13	T.		.09							0.83
East Rochester																																
Elko				.03							.02	.07							T.	.25	.12	.02		.18								0.69
Eureka					.03						.01		.02					.10		1.25					.04							1.45
Golconda					.01						.03									.15												0.19
Halleck																					.10	.20										0.30
Hylton					.10															T.		.10			.72							0.92
Lovelocks																		.02	.06	.09	*	*	.22									0.39
Metropolis											.08	T.	.06					T.	.09	T.	.10	T.	.04	T.	.16							0.53
North Fork				T.	T.						.06							.06			T.											0.12
Potts																		T.		T.	.02		.01									0.03
Rose Creek				.05						.12								.09	.04		.62	.08										1.00
Tecoma					.01						T.		.01						.01	.01					.02							0.06
Wells											.20														.30							0.50
Winnemucca				.01	T.						.04							.01	.03	.23	.11	.07			.01							0.51
Truckee Basin.																																
Fernley																			.61	.03	.14											0.78
Glenbrook																																
Lewers Ranch																			.50	T.	.20	T.		T.								0.70
Marlette Lake																		1.38	.42	.77	.34	.35										3.26
Reno																	.02	.21	.20	.42	T.	.01		T.	T.							0.86
Bijou, Cal																		1.03		1.08		.15										2.26
Cathedral Park, Cal																	.40	.60	.34	1.10	.21	.14	.17									2.96
Deer Park, Cal																		.75	1.60	2.25	2.80	.70	T.									8.10
Hobart Mills, Cal																	T.	.10	1.35	1.71	1.24	.15	.25									4.80
McKinneys, Cal																	.14	.22	.90	.63	.87	.27	.38									3.41
Tahoe, Cal																		.05	.20	1.40	1.63	1.45	.20	.33								5.26
Tallac, Cal																	T.	.10	.75	1.20	.80	.30	T.									3.15
Carson Basin.																																
Fallon																			.29		.05		.08									0.42
Gardnerville																		.28	.59	.78	.62		.07									2.34
Lahontan ¶																		.07		.03	.10	T.										0.20
Markleeville, Cal																		.60	.90	1.10	.24	.08	.08									3.00
Woodfords, Cal																	.80	1.30	1.10	1.20	1.65	1.20	.50	.30								8.05
Walker Basin.																																
Mina																		.09	.10		.34											0.53
Smith																			.67	.33												1.00
Yerington																			.49		.05											0.54
Bridgeport, Cal	T.																.05	.08	.21	.76	.35											1.45
Lundy, Cal																		*	*	*	5.40		.10									5.50
Shields Ranch, Cal																		.19	.62	.86	.70	T.	T.	T.								2.37
Colorado Basin.																																
Caliente																		.02	.05	.10	.10	.02										0.29
Indian Springs																				.18	.06											0.24
Las Vegas																		.15	.30	T.	.20											0.65
Logan																	T.	.08	.21	.32	.38											0.99
Minor Basins.																																
Cherry Creek					.05								.01					.12	.03	.08	.42	.03			.11							0.85
Columbia																		.22	.25	.34	.91											1.72
Gerlach																	T.	.02	.20	.30	.16	T.										0.68
Geyser																		.21	.80													1.01
Jean																				*	.05											0.05
Johnnie																																
Leeland																		.08		.14	.12	T.										0.34
Lida																		.52	.31	.26	.97	T.										2.06
McDermit				T.	T.					T.	T.	T.						T.	.05	.05	.17	.01		T.	.02							0.30
McGill					T.												T.	T.	T.	T.	.36				T.							0.36
Millett																		.12	.05	.07	.53		.10									0.87
Oasis Ranch																		.10		.85												0.95
Quinn River Ranch																			*	*	.08			T.								0.08
Rebel Creek											.15								.10	.13	.15	T.	.05	T.	.06							0.64
Rhyolite																		.35		1.35												1.70
Sand Pass																			.35	.18	.01											0.54
Searchlight																	.14	.35	.41	1.01	.66											2.57
Tonopah																		.08	T.	.36	.15											0.59

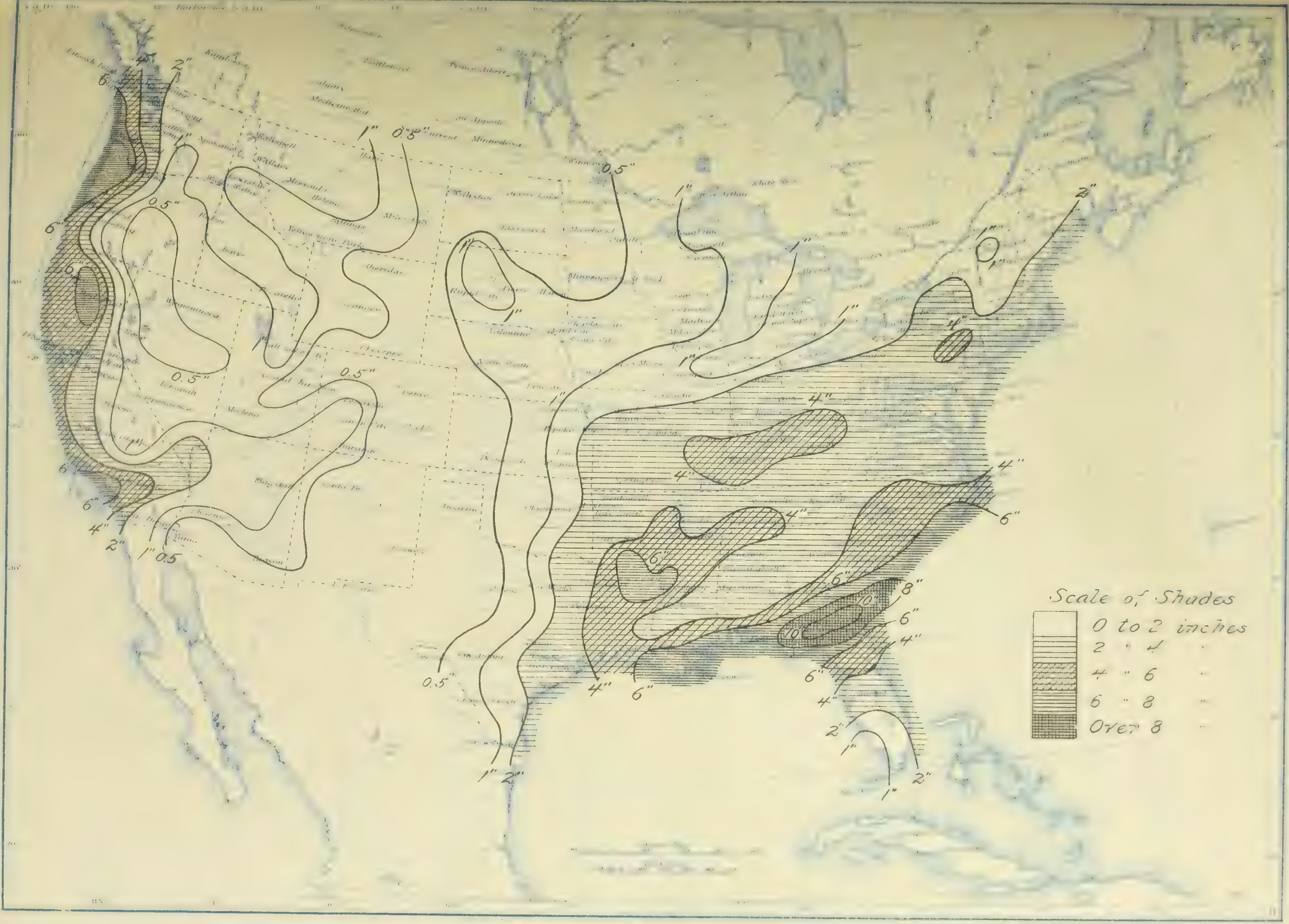
‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. ¶ Dates not reported.

T. Trace, or less than 0.01 inch

Daily temperatures for February, 1914.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek	Maximum..	36	34	32	32	25	22	32	30	29	42	37	32	30	32	40	36	42	37	39	32	40	35	35	40	33	33	33	40	....	....	....	34.3
	Minimum ..	2	-5	-15	2	3	-13	2	-15	0	20	17	17	23	-9	-5	-2	15	32	33	32	35	35	33	15	10	5	2	25	....	....	....	10.5
Owyee	Maximum..	45	32	37	38	24	28	30	44	57	45	45	37	39	31	38	45	52	49	54	57	52	50	52	48	36	46	54	53	....	....	....	43.5
	Minimum ..	10	18	0	20	14	-3	18	18	20	32	29	29	25	-1	0	12	13	33	32	34	32	27	27	27	25	13	23	29	....	....	....	19.9
Humboldt Basin.																																	
Battle Mountain§§	Maximum..	63	60	62	50	50	42	50	55	53	60	61	57	55	58	58	54	60	52	53	55	54	58	50	55	60	55	59	60	....	....	....	55.7
	Minimum ..	45	40	41	24	16	39	21	24	36	33	24	31	22	20	23	31	33	31	35	35	33	29	32	30	21	25	33	35	....	....	....	30.1
Beowawe	Maximum..	47	43	40	42	40	33	40	42	50	52	52	42	36	38	40	48	45	46	40	50	40	41	45	48	41	41	54	61	....	....	....	44.2
	Minimum ..	27	24	16	22	18	11	15	21	21	27	30	24	25	21	25	21	23	32	28	30	34	26	29	25	30	20	24	35	....	....	....	24.4
Dry Farm	Maximum..	34	36	34	33	34	27	33	40	41	45	40	38	35	37	38	45	42	41	41	46	45	37	42	41	41	37	38	51	....	....	....	39.0
	Minimum ..	24	19	8	18	16	10	20	22	16	13	29	16	21	13	11	16	24	27	31	30	31	27	25	20	22	16	19	38	....	....	....	20.8
Elko	Maximum..	42	40	33	39	40	28	34	32	43	48	43	40	43	42	35	43	47	47	47	44	48	42	44	48	46	41	60	64	....	....	....	43.0
	Minimum ..	18	19	7	15	24	-2	8	1	2	9	16	6	19	8	9	2	13	21	22	22	23	20	20	12	20	9	22	23	....	....	....	13.9
Eureka	Maximum..	36	39	39	41	32	33	36	40	42	45	40	44	40	44	40	40	47	40	45	43	42	43	40	47	39	39	50	55	....	....	....	41.9
	Minimum ..	13	8	15	16	15	-2	2	18	15	25	20	14	20	14	18	20	25	26	30	31	28	18	30	15	26	14	15	27	....	....	....	18.5
Golconda	Maximum..	45	39	40	37	35	39	41	43	46	50	47	46	47	47	50	49	49	50	43	39	42	45	50	50	47	54	46	42	....	....	....	44.9
	Minimum ..	26	25	27	26	28	17	29	31	28	29	28	27	32	32	30	34	32	33	31	32	30	28	30	29	33	26	29	33	....	....	....	29.1
Halleck	Maximum..	30	21	28	26	35	32	40	42	39	37	38	39	32	33	38	39	40	41	43	45	40	43	46	44	42	48	48	50	....	....	....	38.5
	Minimum ..	-1	-8	-5	-1	-2	-4	-1	-2	-3	1	-1	3	-7	-4	6	12	21	25	28	28	29	28	32	28	25	28	30	32	....	....	....	11.5
Lovelocks	Maximum..	....	....	45	46	45	....	....	....	54	58	56	....	51	....	64	58	56	53	50	53	54	44	74	52	50	50	55	63	....	....	....	53.9
	Minimum ..	....	....	22	18	29	....	....	....	15	25	28	20	28	....	20	24	32	32	28	32	33	31	40	26	33	19	20	26	....	....	....	26.4
Metropolis	Maximum..	30	28	22	31	25	23	23	32	36	37	38	33	38	33	33	36	39	42	39	39	38	36	39	37	26	32	39	47	....	....	....	33.8
	Minimum ..	15	9	-3	9	13	-4	16	7	5	11	21	9	14	2	2	4	15	26	26	29	31	24	22	11	25	5	7	32	....	....	....	13.7
Potts	Maximum..	30	26	33	37	30	28	30	35	36	39	38	36	34	35	38	44	43	40	40	44	41	38	36	40	37	35	48	49	....	....	....	37.1
	Minimum ..	0	-8	3	-1	16	-8	-5	9	5	15	14	7	12	3	3	12	22	25	26	33	30	22	18	14	28	14	18	24	....	....	....	12.5
Tecoma	Maximum..	50	49	49	50	48	47	47	48	48	47	48	47	50	50	51	50	51	50	50	50	51	49	50	50	49	51	49	50	....	....	....	49.2
	Minimum ..	4	5	-5	3	10	-16	2	-5	-1	5	6	2	10	2	5	0	10	15	14	15	22	18	15	10	14	10	10	21	....	....	....	7.2
Wells	Maximum..	40	30	25	35	30	28	30	35	40	45	40	40	35	40	60	69	58	45	45	40	42	40	40	40	38	35	43	58	....	....	....	40.6
	Minimum ..	35	20	0	10	8	5	15	5	5	10	20	18	15	18	15	10	12	30	28	35	32	30	18	15	25	10	7	29	....	....	....	17.1
Winnemucca	Maximum..	42	42	41	43	38	38	44	50	51	55	46	48	46	46	51	54	54	50	50	54	46	45	45	49	44	48	57	62	....	....	....	47.8
	Minimum ..	20	21	18	24	17	15	17	19	19	28	27	24	29	25	24	26	32	32	33	33	35	31	22	30	25	19	25	32	....	....	....	25.1
Truckee Basin.																																	
Fernley	Maximum..	48	46	46	50	49	42	47	49	54	62	53	55	52	51	53	54	54	56	49	55	53	50	50	58	55	54	61	64	....	....	....	52.4
	Minimum ..	16	12	20	17	26	9	13	17	17	23	23	19	23	18	16	20	24	23	31	33	31	30	24	27	23	15	18	24	....	....	....	21.1
Glenbrook	Maximum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum ..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Lewers Ranch	Maximum..	39	38	40	46	40	39	40	46	47	55	52	49	47	48	50	54	51	50	43	43	38	41	45	53	50	50	56	61	....	....	....	46.8
	Minimum ..	12	10	17	15	20	15	8	19	18	29	29	22	25	19	19	27	34	34	31	33	32	30	24	26	30	32	23	35	....	....	....	23.9
Reno	Maximum..	41	42	44	48	39	40	47	49	51	58	51	53	48	49	50	53	51	52	47	44	45	48	46	54	49	52	58	63	....	....	....	49.0
	Minimum ..	17	16	21	19	21	17	16	26	24	30	31	27	28	24	24	31	35	36	32	33	34	32	26	32	28	23	27	32	....	....	....	26.5
Cathedral Park, Cal.	Maximum..	50	42	47	53	52	50	51	55	55	50	49	52	55	52	54	53	45	45	48	47	42	40	50	51	55	53	54	50	....	....	....	50.1
	Minimum ..	21	20	23	24	21	22	16	30	25	23	22	22	26	25	21	24	33	30	31	33	27	25	27	30	26	21	22	24	....	....	....	24.8
Tahoe, Cal.	Maximum..	39	40	42	40	39	37	37	39	42	39	37	36	41	42	45	40	40	36	36	37	36	39	41	40	42	43	42	45	....	....	....	40.0
	Minimum ..	4	3	15	8	9	2	6	20	15	14	15	10	11	17	18	28	29	27	28	25	20	6	17	20	9	15	16	22	....	....	....	15.3
Carson Basin.																																	
Fallon	Maximum..	45	46	45	51	46	42	46	47	52	62	54	54	51	51	54	54	53	56	50	57	54	47	47	55	51	52	58	68	....	....	....	51.6
	Minimum ..	24	18	21	19	27	18	17	23	22	26	28	23	23	20	23	24	33	35	32	35	33	29	26	29	32	20	21	27	....	....	....	25.3
Gardnerville	Maximum..	....	....	41	47	49	49	43	....	48	58	56	51	51	49	47	51	....	53	47	42	45	....	....	55	54	48	57	61	....	....	....	50.1
	Minimum ..	....	....	25	19	24	17	17	....	24	28	31	20	25	22	22	29	....	35	29	32	34	....	....	28	32	23	24	27	....	....	....	25.8
Lahontan§§	Maximum..	45	45	47	51	49	43	49	48	54	61	54	54	52	50	52	54	53	55	49	56	49	49	49	55	50	53	59	67	....	....	....	51.9
	Minimum ..	23	24	25	28	19	21	22	28	28	31	27	27	25	24	30	30	37	32	32	34	30	30	31	33	25	27	32	37	....	....	....	28.3
Walker Basin.																																	
Mina	Maximum..	45	46	48	49	47	43	50	50	55	57	56	53	53	56	56	57	56	52	54	56	52	49	46	56	54	52	60	65	....	....	....	52.6
	Minimum ..	27	16	25	16	24	19	11	19	20	29	24	20	21	22	24	28	35	36	35	34	35	25	28	23	28	20	21	28	....	....	....	24.8
Yerington	Maximum..	41	42	42	47	48	39	44	47	50	56	52	51	50	48	51	52	51	52	50	53	50	45	44	52	50	48	56	62	....	....	....	49.0
	Minimum ..	22	18	25	19	21	16	16	22	22	25	30	25	23	20	19	27	33	32	32	32	34	31	28	26	30	20	21	25	....	....	....	24.8
Bridgeport, Cal.	Maximum..	28	29	30	27	31	40	18	30	30	40	50	40	30	32	25	35	38	40	38	39	37	37	32	32	36	34	32	40	....	....	....	33.9
	Minimum ..	-6	-19	-2	-14	9	-13	-17	-6	-5	9	17	4	-2	-3	-8	7	21	24	30	32	26	14	5	6	17	-3	-1	2	....	....	....	4.4
Colorado Basin.																																	
Caliente	Maximum..	40	40	42	46	46	48	48	50	50	50	52	50	50	52	52	50	52	50	55	40	50	50	50	52	52	50	50	50	....	....	....	48.8
	Minimum ..	18	18	12	18	14	18	20	20	20	20	24	22	22	20	20	22	20	20	24	20	22	22	20	24	22	20	20	20	....	....	....	20.1
Indian Springs	Maximum..	55	51	54	50	50	54	50	54	55	60	64	58	62	57	60	60	59	54	60	58	57	55	57	57	59	60	58	60	....	....	....	56.7
	Minimum ..	28	27	23	27	23	31	29	23	26	26	28	30	26	29	39	38	38	40	40	41	40	35	38	30	34	36	37	41	....	....	....	32.2
Las Vegas	Maximum..	63	61	59	61	61	62	58	61	66	66	68	66	66	66	66	64	64	58	68	66	61	65	66	66	66	67	65	75	....	....	....	64.3
	Minimum ..	28	29	27	26	30	30	25	26	29	30	31	31	29	33	31	39	44	44	43	42	49	35	39	39	39	39	32	35	....	....	....	34.1
Logan	Maximum..	63	62	54	59	63	54	60	62	62	67	68	66	68	66	70	67	66	57	66	69	62	79	65	65	67	63	64	75	....	....	....	64.5
	Minimum ..	27	26	27	24	26	27	21	25	26	30	28	29	29	37	34	45	46	41	45	50	45	35	44	36	39	39	35	32	....	....	....	33.9
Minor Basins.																																	
Cherry Creek	Maximum..	35	36	38	37	33	27	33	40	43	45	38	37	40	37	36	41	46	38	42	44	45	38	38	36	30	35	33	53	....	....	....	38.3
	Minimum ..	20	16	3	15	22	9	13	14	13	14	24	12	20	9	7	11	29	27	31	33	30	24	10	16	18	9	11	27	....	....	....	17.4
Columbia	Maximum..	41	43	43	46	39	40	45	47	53	54	51	53	49	50	55	55	53	43	46	44	46	47	43	51	47	47	56	64	....	....	....	48.2
	Minimum ..	24	15	23	18	22	16	17	21	23	28	24	22	22	20	20	32	31	34	33	37	33	23	27	21	27	21	23	28	....	....	....	24.5
Geyser	Maximum..	30	33	36	30	37	35	31	38	34	30	30	36	38	42	46	49	50	46	47	48	47	46	48	46	47	42	53	60	....	....	....	41.2
	Minimum ..	1	5	4	0	1	5	0	4	0	6	10	8	0	10	6	10	20	18	20	10	18	14	10	10	17	10	10	15	....	....	....	8.6
Jean	Maximum..	59	60	60	59	62	62	65	65	61	58	59	60	60	61	62	64	63	63	60	60	59	62	65	66	66	67	70	70	....	....	....	62.4
	Minimum ..	37	36	35	35	36	36	38	38	37	33	30	33	37	37	36	36	36	35	36	38	38	39	41	41	40	43	42	43	....	....	....	37.2
Leeland	Maximum..	60	60	59	60	59	53	61	60	66	65	68	66	67	65	68	63	65	51	64	60	61	58	60	63	67	63	70	72	....	....	....	62.6
	Minimum ..	29	31	28	26	26	31	34	26	29	32	26	32	29	29	35	40	33	42	39	49	47	31	38	34	38	38	32	35	....	....	....	33.5
Lida	Maximum..	38	46	41	44	39	39	48	47	46	49	49	48	47	57	49	52	49	37	41	46	47	41	43	48	46	46	59	58	....	....	....	46.4
	Minimum ..	24	16	23	23	22	11	19	23	22	23	23	24	23	23	24	30	26	31	31	37	31	25	28	24	28	26	30	34	....	....	....	25.1
McDermit	Maximum..	36	36	34	37	35	31	36	42	45	46	47	41	41	48	52	50	46	50	45	49	50	43	41	41	41	44	47	57	....	....	....	43.2
	Minimum ..	19	14	14	20	34	8	13	11	20	29	30	24	24	21	16	17	30	32	32	30	33	30	27	27	26	21	26	35	....	....	....	23.3
McGill	Maximum..	42	38	42	38	35	29	35	45	47	49	42	42	41	40	42	48	48	44	45	50	51	40	40	44	46	41	50	58	....	....	....	43.3
	Minimum ..	20	9	11	19	24	14	15	14	13	27	30	18	31	15	15	18	35	30	32	34	30	25	27	21	31	18	20	28	....	....	....	22.3
Millett	Maximum..	42	40	45	45	40	37	43	50	51	55	49	49	46	45	53	54	48	45	49	48	47	44	47	50	48	47	53	62	....	....	....	47.6
	Minimum ..	20	11	18	12	29	10	8	16	15	22	26	17	18	13	12	19	25	26	33	38	32	30	19	21	34	12	18	22	....	....	....	24.1
Oasis Ranch	Maximum..	48	45	43	48	49	42	45	50	52	52	54	52	50	50	52	54	53	49	52	48	48	50	45	52	53	50	59	63	....	....	....	50.
	Minimum ..	22	16	22	15	22	19	15	22	20	22	24	21	18	15	11	21	15	25	34	37	34	26	28	24	21	25	24	27	....	....	....	22.
Quinn River Ranch	Maximum..	42	42	43	40	40	40	42	46	47	50	49	46	54	....	....	....	....	....	....	....	49	43	47	44	45	51	50	59	....	....	....	45.
	Minimum ..	22	17	12	12	12	17	14	17	18	28	32	23	28	....	....	....	....	....	....	....	35	32	22	29	22	18	22	28	....	....	....	21.
Rebel Creek	Maximum..	38	39	38	40	36	34	40	46	49	53	45	53	50	48	50	49	48	50	48	44	50	44	44	42	44	47	52	59	....	....	....	45.
	Minimum ..	27	20	16	22	25	12	15	20	20	28	32	21	28	30	28	32	34	35	35	32	35	32	24	30	23	21	28	38	....	....	....	26.
Rhyolite	Maximum..	58	60	52	55	51	54	54	54	59	60	61	60	59	70	63	60	59	60	60	55	50	52	52	56	59	56	65	65	....	....	....	57.
	Minimum ..	28	30	34	30	32	30	28	32	35	26	36	37	34	32	36	45	37	41	38	42	40	31	38	34	38	35	35	42	....	....	....	34.
Searchlight	Maximum..	53	55	55	56	55	48	51	54	58	60	64	57	60	54	54	57	52	48	53	53	52	55	53	56	59	54	57	66	....	....	....	55.
	Minimum ..	35	31	37	33	35	30	29	38	41	47	42	43	44	38	39	47	43	43	42	48	43	35	40	39	37	33	35	48	....	....	....	39.
Tonopah	Maximum..	35	38	37	39	32	34	40	43	48	50	45	46	44	46	51	51	48	40	43	43	38	39	37	46	41	42	53	57	....	....	....	43.
	Minimum ..	24	24	26	27	21	18	20	30	33	34	33	29	29	28	31	37	35	33	33	37	30	26	25	27	28	22	30	40	....	....	....	28.

a, b, c, etc., indicates respectively 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged t the preceding day, on which it almost always occurs.


Scale of Shades
0 to 2 inches
2 " 4 "
4 " 6 "
6 " 8 "
Over 8
0.5"
1"
2"
4"
6"
8"
10"

Snowfall in elevated regions of Nevada Section, February, 1914.

The snowfall for February was considerably less than normal in the Humboldt and Truckee basins, and normal or above in the Carson and Walker basins.

Precipitation from snow in the Truckee Basin, for February ranged from 0.70 inch, at Lewer's Ranch, to 8.10 inches, at Deer Park. The average for nine stations was 3.77 inches, which was 1.10 inches greater than the five-year average for February, but the five-year average is decidedly below normal. The average for two stations in the Carson Basin was 5.52 inches, which was 3.47 inches greater than the five-year average. The average for four stations in the Walker Basin was 2.58 inches, which was 1.41 inches greater than the five-year average. There are nine stations in the Humboldt Basin with good normals, and eight of these report considerably less than normal.

In the Truckee Basin the depth of snow on the ground at the end of February varied from 47 inches, at Hobart Mills, elevation 5,900 feet, to 178 inches, just south of Ward Peak, at an elevation of 7,400 feet. The average at the level of Lake Tahoe was 75 inches, and the snow was very dense. From Fallen Leaf Lake southwestward the depth varies from 68 inches, at an elevation of 6,400 feet, to 120 inches, at Grass Lake, and 168 inches, at Lake Luceil, the latter at an elevation of 8,200 feet. East of Lake Tahoe the snow is not quite so deep at the same elevations. At Marlette Lake, at an elevation of 8,000 feet, it was 110 inches deep; on the east side of Mount Rose, at an elevation of 6,000 feet, it was 72 inches; at 9,000 feet, it was 96 inches; at 9,500 feet, it was 168 to 192 inches.

The four-year average for nine stations in the Truckee Basin for the period, September 1st to February 28th, is 22.06 inches. The amount for the same period for 1913-14 for those stations was 30.99 inches, which was 8.93 inches greater than the four-year average, and was 1.84 inches less than for the same period 1910-11, and over four times the amount for 1911-12.

The average for two stations in the Carson Basin, from September 1st to February 28th, was 26.70 inches, which was 11.30 inches greater than the four-year average, and 5.71 inches greater than for the same period 1910-11.

The average for four stations in the Walker Basin was 14.96 inches, which was 6.58 inches greater than the four-year average, or more than twice the amount in 1910-11. It is thought that there is more snow in the mountains in the Walker Basin than has been for many years.

Nine stations at lower levels in the Humboldt Basin show that the average precipitation from September 1st to February 28th was 0.10 inch more than normal. The average for this period this season, at 12 stations, some at higher elevations, was 6.26 inches. This was 1.16 inches more than the four-year average, and was the greatest amount for the past four years. From this it is thought that there is more than the normal amount of water stored at higher levels in this basin.

The average precipitation, in inches and hundredths, for each of the drainage basins, for September 1st to February 28th, for each of the past four seasons is given in the following table:

COMPARATIVE SEASONAL PRECIPITATION.

Years.	Truckee Basin.	Carson Basin.	Walker Basin.	Humboldt Basin.
Precipitation from September 1, 1910, to February 28, 1911..	32.83	20.99	7.38	6.08
Precipitation from September 1, 1911, to February 29, 1912..	7.65	5.34	1.05	3.90
Precipitation from September 1, 1912, to February 28, 1913..	13.10	10.98	4.22	5.54
Precipitation from September 1, 1913, to February 28, 1914..	30.99	26.70	14.96	6.26

SNOWFALL.

Stations.	Counties.	Total snowfall during February.	Total precipitation during February.	Depth of snow on the ground February 15.	Depth of snow on the ground February 28.	Total precipitation September 1 to February 28.	Average precipitation Sept. 1, to Feb. 28, for past 4 years.	Departure from 4 years average.
Truckee Basin.								
Bijou	Eldorado	13.0	2.26			24.84	15.98	+ 8.86
Boca	Nevada							
Cathedral Park	Eldorado	23.0	2.96	70.0	68.0	31.04	22.96	+ 8.08
Deer Park	Placer	24.0	8.10		100.0	39.71	35.11	+ 4.60
Glenbrook	Douglas							
Hobart Mills	Nevada	38.0	4.80	36.0	47.0	25.68	19.19	+ 6.49
Lewer's Ranch	Washoe	7.0	0.70			16.93	14.20	+ 2.73
McKinneys	Placer	29.5	3.41	65.0	77.0	35.40	27.37	+ 8.03
Marlette Lake	Washoe	34.0	3.26	126.0	110.0	35.36		
Tahoe	Placer	47.0	5.26	78.0	72.0	39.71	23.67	+16.04
Tallac	Eldorado	21.0	3.15	46.0	58.0	30.27	18.02	+12.25
Truckee	Nevada							
Carson Basin.								
Markleeville	Alpine	11.0	3.00	6.0	13.0	25.85	16.40	+ 9.45
Tamarack	do							
Woodfords	do		8.05			27.54	14.39	+13.15
Walker Basin.								
Bridgeport	Mono	17.0	1.45	15.0	24.0	11.44	8.35	+ 3.09
Lundy	do	62.5	5.50	75.0	98.0	25.54	13.49	+12.06
Shield's Ranch	do	2.2	2.37			12.88	6.87	+ 6.01
Smith	Lyon	1.0	1.00	0	0	10.00	4.82	+ 5.18
Humboldt Basin.								
Arthur	Elko	18.0	1.05		37.0	8.41	7.98	+ 0.43
Beowawe	Lander	T.	T.	0	0	5.17	4.14	+ 1.03
Dry Farm	Elko		0.83		11.0	9.84	6.58	+ 3.2
East Rochester	Humboldt							
Eureka	Eureka	8.0	1.45	1.5	0.2	6.33	6.06	+ 0.2
Halleck	Elko	3.0	0.30	4.0	1.0	4.48	3.17	+ 1.3
Hylton	do	2.0	0.92			7.31	6.48	+ 0.8
Jack Creek	do							
Metropolis	do	6.5	0.53	14.0	12.0	6.37	6.16	− 0.2
North Fork	Elko	1.7	0.12	13.0	11.0	3.96	5.64	− 1.6
Potts	Nye	1.0	0.03			1.04	1.55	− 0.5
Rose Creek	Humboldt	5.0	1.00	2.0	0	10.72		
Wells	Elko	5.0	0.50			4.50	3.02	+ 1.4
Winnemucca	Humboldt	0.3	0.51	0	0	6.93	4.86	+ 2.0

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

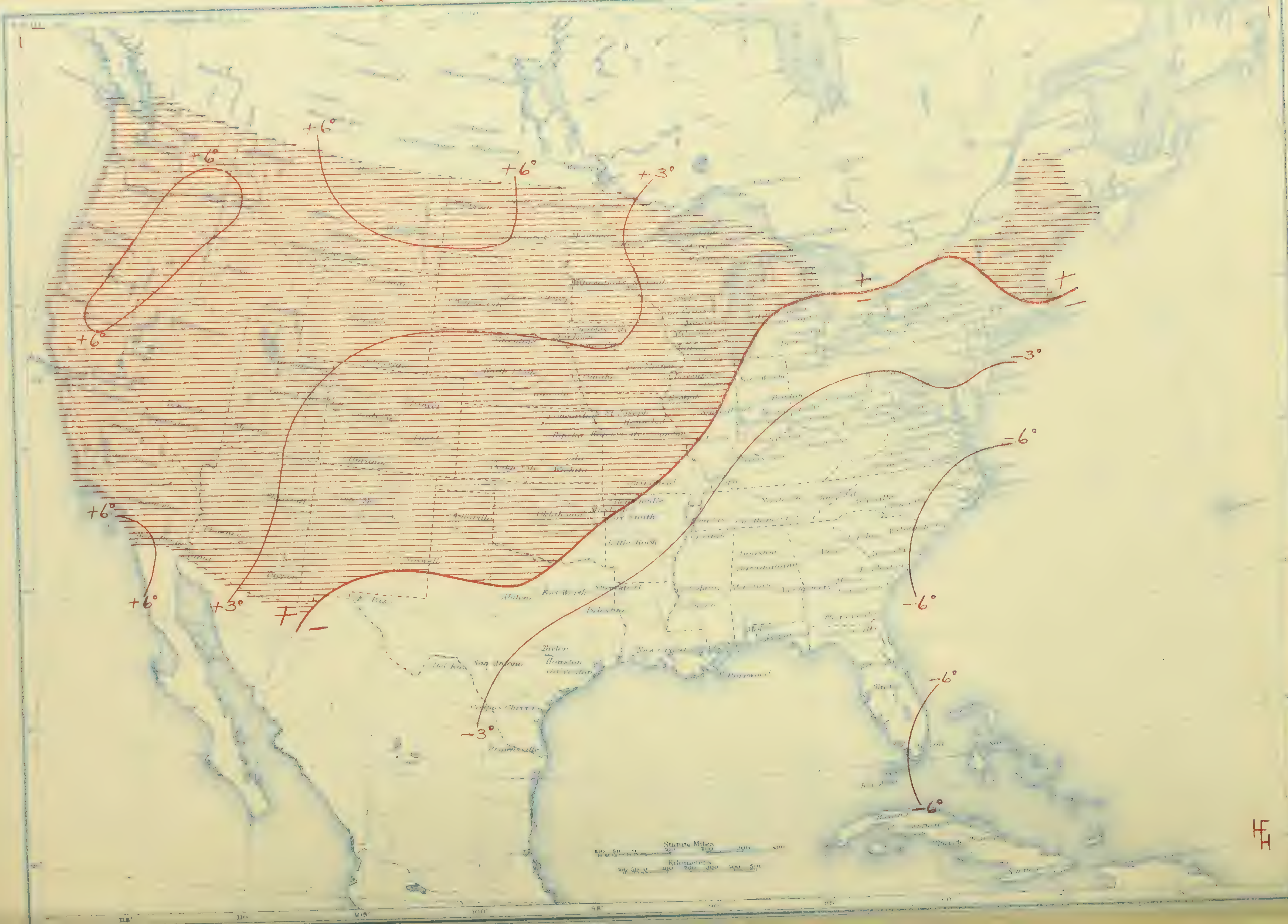
NEVADA SECTION

MARCH, 1914

BY
HARVEY S. COLE
SECTION DIRECTOR

LOS ANGELES, CAL.
WEATHER BUREAU OFFICE
APRIL 25, 1914.

Departure of the Mean Temperature from the Normal, March, 1914.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

VOL. XXIX. RENO, NEVADA, MARCH, 1914. NO. 3.

GENERAL SUMMARY.

The average temperature was several degrees above normal during March, except in the extreme northeastern portion where it was below at one station. A cool spell occurred on the 1st and 2d, one from the 10th to the 12th and one during the last six days. There were no severe storms and the precipitation was the least for the past 26 years, except in 1910. The month was unusually favorable for stock and for agricultural pursuits, except for fruit. Fruit bloomed in February in the extreme south. North of the 37th parallel first blossoms were reported from the 7th to the last of the month, nearly to the northern boundary, except in eastern portions. This was nearly a month before the usual time. Frost the last of the month killed most of the fruit that bloomed north of the 39th parallel, except near the Sierras, where little damage was done. The warm weather caused the streams to rise from the 20th to the end of the month.

PRESSURE.

The average atmospheric pressure for the State was 30.06 inches, and was from 0.04 inch above normal at Tonopah to 0.12 above at Winnemucca. It was high nearly all the time from the 1st to the 18th, after which one low followed another closely the remainder of the month.

TEMPERATURE.

The average temperature for 49 stations in Nevada was 44.4 degrees which was 3.5 degrees above normal, and was 7.2 degrees higher than March, 1913. It was the warmest March in 26 years, except that of 1910, which was 1.5 degrees warmer. Monthly means ranged from 30.2 degrees at Gold Creek to 60.4 degrees at Jean, and were above normal at all stations with normals, except San Jacinto. The highest temperature recorded was 87 degrees at Las Vegas on the 15th. Highest temperatures usually occurred during the warm spell from the 15th to the 18th. The lowest temperature recorded was 4 degrees at Tecoma on the 23d. Lowest temperatures usually occurred from the 1st to the 3d, or during the last six days.

HUMIDITY.

The mean relative humidity for the month ranged from 42 per cent at Tonopah to 53 per cent at Winnemucca. The greatest departure from the normal was −13 per cent at Tonopah, the least −5 per cent at Winnemucca.

PRECIPITATION.

The average precipitation for 62 stations in Nevada was 0.19 inch, which was 0.90 inch less than normal. This is the least amount that has been recorded in 26 years, except in 1910, when the average was 0.17 inch. Twenty-seven stations reported only a trace or no precipitation at all. The average for three stations in the Columbia Basin was 0.40 inch; for fifteen stations in the Humboldt Basin was 0.35 inch, which was 0.69 inch less than normal. The remaining basins averaged from a trace to 0.09 inch. There were two periods with precipitation, one from the 1st to the 3d, the other from the 22d to the end of the month. The heaviest precipitation reported was 1.15 inches at Hylton, and most places reported much less, but the rainy weather retarded evaporation. This fact will be appreciated when it is stated that the evaporation at Lahontan for March was 3.38 inches.

WIND.

The average wind velocity ranged from 6.6 miles per hour at Winnemucca to 8.7 miles at Tonopah, which was considerably less than normal. The prevailing direction was from the south, many stations reporting southwest or west. High winds were reported at several places on the 1st, 18th, 23d and 29th.

SUNSHINE AND CLOUDINESS.

The average number of clear days for the State was 20, which was unusually large, and the number of cloudy days, four, was accordingly small. The amount of sunshine ranged from 84 per cent of the possible amount at Tonopah to 90 per cent at Winnemucca. These amounts are 17 per cent or more above normal.

MISCELLANEOUS PHENOMENA.

Solar halos occurred on the 12th, 21st, 22d, 24th, 25th and 31st. Lunar halos occurred on the 10th, 11th, 12th, 13th and 24th. Hail occurred at Pahrump on the 23d. Sleet occurred at several places in the northern portion of the State on the 1st, 5th, 23d and 28th. A thunderstorm occurred at McDermit on the 1st, one at Pahrump on the 23d.

COMPARATIVE DATA FOR MARCH.

Year.	Temperature.			Average precipitation.	Number of days				Prevailing wind.
	Mean.	Highest.	Lowest.		With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1890	39.0	82	−15	1.71	11	13	9	9	s
1891	38.9	78	2	1.55	6	6	16	9	sw
1892	40.3	78	2	1.81	8	9	14	8	w
1893	35.9	85	21	1.90	7	8	14	9	s
1894	38.4	88	−13	1.02	5	7	12	12	sw
1895	37.7	80	−23	0.82	4	14	9	8	w
1896	39.4	90	−18	1.15	7	10	9	12	w
1897	31.5	80	−19	1.36	10	9	9	13	sw
1898	35.0	79	10	0.63	4	14	9	8	w
1899	38.6	79	4	1.83	7	9	8	14	sw
1900	44.2	81	3	0.51	3	17	5	9	sw
1901	38.9	90	0	0.59	4	15	7	9	w
1902	35.2	69	0	1.47	6	11	8	12	sw
1903	38.7	90	− 8	1.41	5	12	7	12	s
1904	39.7	80	0	1.69	8	8	8	15	sw
1905	41.8	82	3	1.43	6	12	6	13	sw
1906	38.5	83	−15	1.68	7	10	9	12	w
1907	38.3	83	−10	2.66	8	6	10	15	s
1908	40.7	91	− 6	0.30	2	16	10	5	w
1909	38.8	80	−10	0.67	4	12	11	8	w
1910	45.9	88	10	0.17	2	16	8	7	sw
1911	42.7	93	3	1.21	6	15	7	9	s
1912	37.3	78	− 1	1.17	6	11	10	10	w
1913	37.2	91	−15	0.35	3	14	9	8	w
1914	44.4	87	4	0.19	2	20	7	4	s
Entire period	39.1	93	−23	1.17	6	12	9	10	w

CORRECTIONS.

January, 1914.—Elko, total precipitation 2.56.

February, 1914.—Quinn River Ranch, mean maximum 46.1, mean temperature 34.0.

LATE FEBRUARY REPORT.

Glenbrook, Douglas County; mean temperature, 31.2; highest, 47 on the 10th; lowest, 10 on the 6th; total precipitation, 1.18; greatest in 24 hours 0.40 inch; number of rainy days, 7; clear days, 11; partly cloudy days, 0; cloudy days, 17.

Climatological data for March, 1914.

Stations.	Counties.	Elevation, feet.	Temperature, in degrees Fahr.								Precipitation, in inches.					Number of days				Prevailing direction of the wind.	Observers.
			Length of record, years.	Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted.)	With precipitation (0.01 inch or more.)	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek	Elko	6,600	1	30.2		53	17	5	12	45	1	0.42		0.16	3.3	4	14	13	4	n	Forest Supervisor.
Jack Creek	do	6,300									1										C. E. Butler.
Owyhee	do	5,400	3	42.2		71	22	17	2	52	3	0.57		0.16	10.0	6	23	0	8	s	Frank Weber.
San Jacinto	do		9	37.0	−0.2	61	17	12	21	41	9	0.20		0.09	8.0	4					J. S. Parmley.
Humboldt Basin.																					
Arthur	Elko	6,500									4	0.70		0.30		3	19ᵃ	1ᵃ	10ᵃ		Isaac Woodhouse.
Austin	Lander	6,594	25								25										F. O. Booe.
Battle Mountain	do	4,843	43								45										Southern Pacific Co.
Beowawe	Eureka	4,905	43	42.8	+2.0	68	†7	18	31	45	45	0.05	−0.61	0.05		1	18	7	6		Do.
Carlin	Elko	5,232	43								43										Western Pacific Co.
Clover Valley	do	6,000	13								21										I. F. Wiseman.
Dry Farm	do	5,600	2	39.2		61	†14	19	†3	37	5	0.74		0.60	6.0	5					Walhrid Sohlman.
East Rochester	Humboldt	7,500	1								1										E. B. Mills.
Elko	Elko	5,432	43	38.9	+2.0	71	14	11	†3	55	44	0.23	−0.89	0.23	0.6	1	24	3	4	e	Western Pacific Co.
Eureka	Eureka	6,500	16	41.6	+4.6	66	†8	15	3	38	18	0.46	−1.69	0.36	6.0	4	17	7	7	n	Clay Simms.
Golconda	Humboldt	4,697	35	44.2	+3.7	69	8	25	†2	39	37	0.04	−0.53	0.04		1	17	6	8		Southern Pacific Co.
Halleck	Elko	5,631	21	36.2	+1.6	66	†15	5	22	59	45	0.60	−0.37	0.50	6.0	2	20ᵃ	0ᵃ	10ᵃ		Do.
Hylton	do	7,081									4	1.15		0.95	6.0	3	18	13	0		Chas. Toyne, sr.
Imlay	Humboldt	4,209	1	44.6		69	†8	20	26	47	1	T.		T.		0	21	8	2		Southern Pacific Co.
Lovelocks ᶜ	do	3,997	20	45.6	+2.0	77	5	16	1	48	18	0.00	−0.32	0.00	0	0	16	4	8	s	High School.
Metropolis	Elko		1	35.6		54	†18	9	2	31	1	0.20		0.18	2.0	2					O. M. Lloyd.
North Fork	do	6,500									5	0.18		0.10	2.0	2	18	6	7	w	Chas. Pratt.
Potts	Nye	5,040	21	38.2	+4.9	60	17	15	31	40	23	0.07	−0.76	0.07	4.0	1	14	5	12	s	Miss Maud Potts.
Rose Creek	Humboldt	6,350									4	0.21		0.10	2.0	4					Henry Salvai.
Shafter ᵃ	Elko	5,583	1	37.5		61	†14	11	21	47	1	0.85		0.81	6.1	3	19	7	4	nw	Geo. Kernan.
Tecoma	do	4,812	36	37.4	+0.2	65	†10	4	23	58	37	0.05	−0.35	0.03	2.0	3	12	16	3		Southern Pacific Co.
Wells	do	5,631	42	39.0	+3.6	63	18	18	†21	40	45	0.73	−0.47	0.28	8.5	3	19	8	4		Do.
Winnemucca	Humboldt	4,432	35	44.6	+5.0	74	17	22	2	47	45	0.08	−0.87	0.05	0.1	4	20	4	7	ne	U. S. Weather Bureau.
Truckee Basin.																					
Fernley	Lyon	4,200	41	45.4	+3.6	77	17	15	30	54	45	0.00	−0.41	0.00	0	0	24	6	1		Mrs. G. A. Steele.
Glenbrook	Douglas	6,240	5	38.2		65	19	18	30	38	5	0.00		0.00	0	0	23	6	2	w	C. C. Henningsen.
Lewers Ranch	Washoe	5,500	26	46.8	+6.6	76	17	19	2	44	27	T.	−3.92	T.	T.	0	12	18	1		Ross Lewers.
Marlette Lake	do	7,900									1	0.05		0.05	0.5	1	20	1	10		V. & G. H. Water Co.
Reno	do	4,532	27	46.8	+5.8	74	17	23	2	43	27	T.	−1.22	T.	T.	0	23	7	1	w	U. S. Weather Bureau.
Bijou, Cal	Eldorado	6,230									5	0.00		0.00	0	0	30	0	1		Chas. Young.
Cathedral Park, Cal	do	6,400	2	43.6		77	20	20	3	45	2	0.04		0.02	2.0	2	20	3	8		Carl Fluegge.
Deer Park, Cal	Placer	6,500									5				6.0		13	13	5		Miss Katherine Chandler
Hobart Mills, Cal	Nevada	5,900									5	0.02		0.01	2.0	2	23	5	3	s	S. E. Patterson.
McKinneys, Cal	Placer	6,225	5								5	0.32		0.08	2.6	7	14	8	9	sw	Fred Jensen.
Tahoe, Cal	do	6,240	6	35.2		57	17	10	2	31	6	0.11		0.05	2.0	3	24	1	6		Robert Watson.
Tallac, Cal	Eldorado	6,230									5	T.		T.	T.	0	8	22	1	nw	J. H. Pomin.
Carson Basin.																					
Fallon	Churchill	3,965	20	46.2	+4.9	72	†17	20	3	45	20	0.00	−0.48	0.00	0	0	22	5	4	sw ᵍ	U.S. Experiment Station.
Gardnerville	Douglas	4,830	23	45.6	+3.6	71	†13	19	2	45	24	0.00	−1.41	0.00	0	0	26	3	0	nw	Forest Service.
Lahontan	Churchill	4,200	2	50.0		73	†8	25	29	34	4	0.00		0.00	0	0	24	6	1	w	U.S. Reclamat'n Service.
Markleeville, Cal	Alpine	5,525									5	T.		T.	T.	0	21	7	3	s	Mrs. Mary Thornburg.
Woodfords, Cal	do	5,634									5	0.00		0.00	0	0	25	2	4	sw	G. P. Merrill.
Walker Basin.																					
Mina	Mineral	4,600	7	48.2	+3.9	78	19	19	3	46	18	0.00	−0.24	0.00	0	0	26	2	3	nw	Southern Pacific Co.
Smith	Lyon	4,000									6	0.00		0.00	0	0	22	6	3	sw	C. M. Carter.
Thorne	Mineral	4,200	1								1										Southern Pacific Co.
Yerington	Lyon	4,375	5	45.1		70	17	20	3	42	5	0.00		0.00	0	0	25	6	0	ne	High School.
Bridgeport, Cal	Mono	6,500	1	20.4		48	23	−6	2	42	3	0.00		0.00	0	0	26	4	1	n	A. F. Scott.
Lundy, Cal	do	8,000									5	T.		T.	0.5	0	23	2	6		W. H. Smith.
Shields' Ranch, Cal	do	5,300									5	0.00		0.00	0	0	23	8	0		Frank W. Chichester.
Colorado Basin.																					
Caliente	Lincoln	4,407	4	47.4		82	24	18	8	48	4	0.20		0.10	0	3	24	0	7	s	Salt Lake Route.
Indian Springs	Clark	3,136	1	54.6		82	14	31	3	48	1	0.00		0.00	0	0	26	4	1	se	Ira McFarland.
Lake Valley	Lincoln		1								1										Lake View Farming Co.
Las Vegas	Clark	2,033	12	59.6	+8.2	86	15	32	31	45	12	0.02	−0.19	0.02	0	1	22	4	5	s	C. P. Squires.
Logan	do	1,355	7	60.2		87	15	34	4	46	7	0.13		0.13	0	1	28	3	0		Orin W. Jarvis.
Minor Basins.																					
Cherry Creek	White Pine	6,450	6	40.6		62	17	14	3	37	6	0.31		0.18	5.0	4	17	11	3	w	J. H. Leishman.
Columbia	Esmeralda	5,750	7	45.8		72	17	20	†3	39	9	0.01		0.01	T.	1	25	6	0	nw	A. Booth.
Gerlach	Washoe	3,931	2	47.2		75	16	22	28	45	2	T.		T.	T.	0	13	14	4	se	Western Pacific Co.
Geyser	Lincoln	6,055	10	36.6		70	15	5	12	64	10	0.16		0.16		1	11	19	1	n	Mrs. J. F. Wambolt.
Jean	Clark	2,074	6	60.4		81	27	40	23	29	7	T.		T.	0	0	19	9	3	sw	Salt Lake Route.
Leeland	Nye	2,500	1	53.0		86	18	30	†4	47	1	0.00		0.00	0	0	23	8	0	s	Agent T. & T. R. R. Co.
Lida	Esmeralda	6,037	2	44.5		68	†15	20	31	38	2	0.00		0.00	0	0	28	3	0	se	L. F. Detwiler.
McDermit	Humboldt	4,700	24	43.8	+5.7	71	17	21	27	36	24	0.25	−0.98	0.06	1.2	6	23	6	2	sw	F. M. Bullock.
McGill	White Pine	6,338	4	43.4	+9.4	66	14	19	3	37	4	0.08	−1.47	0.08	0.8	1	20	4	7	s	R. E. Middagh.
Millett	Nye	6,002	6	42.2		68	†8	12	24	50	7	0.25		0.13	0	2	21	5	5		Fred J. Jones.
Oasis Ranch	Esmeralda	5,106	2	46.3		72	†17	20	14	48	2	0.00		0.00	0	0	21	10	0	s	A. S. Patterson.
Pahrump ᵃ	Nye	2,668	1	56.4		85	25	27	4	51	1	0.14		0.10	0	2	26	4	0		F. A. Buol.
Quinn River Ranch	Humboldt	4,850	12								13										F. M. Payne.
Rebel Creek	do		2	44.6		72	17	22	24	39	3	0.10		0.10	1.0	1	17	1	13	sw	Mrs. E. J. Hyatt.
Rhyolite	Nye	3,680	1	56.0		78	†15	33	30	34	1	0.02		0.02	0	1	4	27	0	nw	Chas. Kirchen.
Sand Pass	Washoe	4,198	1	48.0		76	17	20	4	45	1	0.00		0.00	0	0	19	12	0	w	Western Pacific Co.
Searchlight	Clark	3,445	1	57.0		76	15	36	31	26	1	0.25		0.23	0	2	23	5	3	n	C. L. Aug. Mahn.
Sharp	Nye		1								1										F. A. Seers.
Tonopah	do	6,090	9	46.4		65	17	22	2	25	9	0.00		0.00	0	0	23	6	2	se	U. S. Weather Bureau.

Estimated and incomplete data not considered in means.

All other data are considered in determining section means, but the mean departures from the normal temperature and precipitation are based on records from stations that have ten or more years of observations.

Reference letters ᵃ, ᵇ, ᶜ, appearing in the table indicate number of days missing; for example, ᵇ represents two days missing, etc.

† Also on other dates.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for March, 1914.

Stations.	Day of month																															Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia Basin.																																
Gold Creek	.02			T.	.16																		.16		T		.08					0.42
Jack Creek																																
Owyhee	.12			.16	.07																		.02		.05		T	.15		T		0.57
San Jacinto	.09																							.05	.03		.03					0.20
Humboldt Basin.																																
Arthur	T.	T.			.20																		.20	T	T.	T	.20					0.60
Battle Mountain‖																																
Beowawe‖																									.05			T				0.05
Dry Farm	.02																						T		.01	.07	.60	T		.01		0.71
East Rochester																																
Elko																											.23					0.23
Eureka	.04																									.03	.36	.03				0.46
Golconda	T.																						.04									0.04
Halleck		.10																					T.			.50						0.60
Hylton																							.20			*	.90					1.10
Imlay																						T										T
Lovelocks																																0.00
Metropolis	.02			T.	T.																		T		T	T	.18	T	T	T	T	0.20
North Fork	T.																						.10	.08					T			0.18
Potts																											.07					0.07
Rose Creek	.10																						.02		.06					.03		0.21
Shatter																							T.			*	.81	.01				0.82
Tecoma																							.01		T.	T.	.03	.01				0.05
Wells		.28																					.25		T.		.20					0.73
Winnemucca	.01																						.05		T.	.01			.01			0.08
Truckee Basin.																																
Fernley																																0.00
Glenbrook																																0.00
Lewers Ranch																										T						T.
Marlette Lake																										.05						0.05
Reno	T.																									T.				T.		T
Bijou, Cal																																0.00
Cathedral Park, Cal																														.02	.02	0.04
Deer Park, Cal																																
Hobart Mills, Cal																										T.	.01	T.	T.	.01		0.02
McKinneys, Cal	.03																									.04	.08	.02	.05	.07	.03	0.32
Tahoe, Cal	.04																											T.	T.	.05	.02	0.11
Tallac, Cal																										T.			T.	T.		T.
Carson Basin.																																
Fallon																																0.00
Gardnerville																																0.00
Lahontan‖																																0.00
Markleeville, Cal																												T.	T.			T.
Woodfords, Cal																																0.00
Walker Basin.																																
Mina																																0.00
Smith																																0.00
Yerington																																0.00
Bridgeport, Cal																																0.00
Lundy, Cal																													T.			T.
Shields Ranch, Cal																																0.00
Colorado Basin.																																
Caliente											.05	.05									.10											0.20
Indian Springs																																0.00
Las Vegas																							.02									0.02
Logan																												.13				0.13
Minor Basins.																																
Cherry Creek		.01																					T.		T.	T.	.06	.18	T.	.06		0.31
Columbia																														.01		0.01
Gerlach																							T.							T.		T.
Geyser																								T.			.16					0.16
Jean										T.											T.											T.
Johnnie																																
Leeland																																0.00
Lida																																0.00
McDermit	.06			.04	.06																				.05	.02	.02		T			0.25
McGill																										T.	T.	.08	T.	T.	T.	0.08
Millett																										T.	.13	.12				0.25
Oasis Ranch																																0.00
Pahrump																							.04					.10				0.14
Rebel Creek	T.			T.																				.10	T.	T.	T.			T.	T.	0.10
Rhyolite																						.02										0.02
Sand Pass																																0.00
Searchlight																												.23	.02			0.25
Tonopah																																0.00

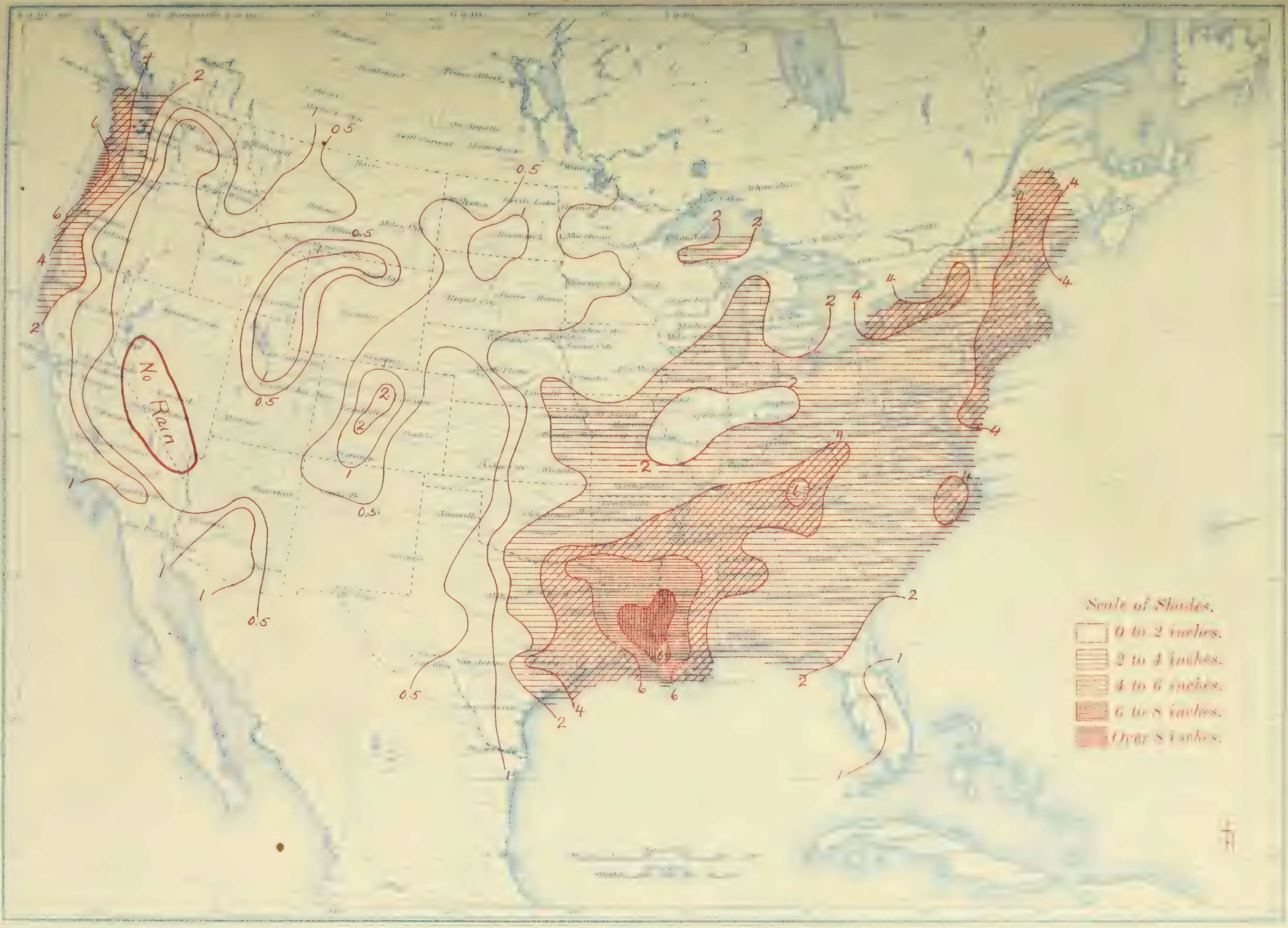
‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.
T. Trace, or less than 0.01 inch

Daily temperatures for March, 1914.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek	Maximum	50	30	39	40	40	42	47	48	45	49	47	50	49	51	50	52	53	46	45	44	51	50	40	44	40	44	44	41	46	44	40	45.1
	Minimum	23	12	11	15	10	30	14	12	10	7	6	5	12	14	18	18	14	17	17	14	14	11	21	18	16	15	21	20	25	23	9	15.2
Owyhee	Maximum	52	51	49	42	50	59	51	61	68	59	55	56	59	70	63	68	70	66	62	60	57	71	54	58	55	51	53	58	51	50	56	57.6
	Minimum	30	17	19	34	33	35	22	39	39	27	22	23	28	29	26	25	22	26	25	25	26	19	26	21	22	27	25	31	35	28	27	26.9
San Jacinto	Maximum	64	55	55	66	64	64	66	68	69	65	65	64	65	68	71	70	72	72	65	66	67	69	67	65	64	57	54	57	52	57	63	64.1
	Minimum	33	25	22	24	31	28	26	35	31	27	31	30	22	20	26	35	30	28	33	30	32	26	31	25	32	37	25	26	30	26	27	28.5
Humboldt Basin.																																	
Beowawe§§	Maximum	59	62	58	58	55	51	68	67	65	60	56	58	61	67	62	63	68	62	62	60	57	59	49	59	46	61	46	52	54	52	53	58.4
	Minimum	35	30	28	24	35	30	25	28	29	30	29	25	26	26	25	25	23	23	23	27	29	27	26	20	29	28	31	31	29	31	18	27.3
Dry Farm	Maximum	50	57	42	47	48	48	51	58	59	51	51	57	58	61	58	57	61	56	55	54	52	60	50	52	44	46	42	45	48	45	48	51.4
	Minimum	27	20	19	30	35	32	25	27	31	32	23	24	30	31	34	32	30	32	24	25	23	23	23	23	19	23	27	29	29	28	25	26.9
Elko	Maximum	55	58	51	54	52	55	64	65	64	60	61	62	65	71	70	68	70	69	62	65	64	67	58	58	56	58	56	58	60	55	55	60.8
	Minimum	20	14	11	22	26	20	16	18	18	12	14	15	14	16	17	18	17	17	20	20	17	18	12	15	16	18	16	18	20	22	11	17.0
Eureka	Maximum	57	43	51	56	49	54	60	66	63	58	56	60	64	66	65	62	66	62	62	60	59	63	56	58	57	47	38	49	50	48	51	56.6
	Minimum	35	18	15	26	30	26	26	34	31	30	22	28	30	28	30	27	28	27	25	26	23	26	31	21	27	21	28	30	30	28	21	26.7
Golconda	Maximum	48	60	51	55	55	63	60	69	65	67	63	60	65	62	59	68	63	60	59	59	58	53	42	50	55	54	48	51	50	47	53	57.2
	Minimum	31	25	26	27	28	30	29	30	31	35	37	30	38	33	31	36	35	41	35	38	33	30	28	26	31	33	27	30	31	25	26	31.2
Halleck	Maximum	48	38	48	50	50	52	50	54	62	56	56	55	56	64	66	62	66	66	60	64	58	64	50	55	54	54	50	54	55	64	66	56.4
	Minimum	24	26	10	15	25	20	22	18	15	16	15	10	12	12	14	15	12	12	18	16	15	5	10	18	16	15	10	20	18	20	22	16.0
Imlay	Maximum	50	52	53	58	65	64	67	69	58	60	69	67	68	69	69	65	66	61	65	64	66	69	66	60	54	52	50	68	58	53	54	61.6
	Minimum	29	32	34	31	33	32	29	25	29	28	25	22	25	22	26	25	21	25	30	33	34	23	30	21	32	20	21	26	43	21	22	27.5
Lovelocks	Maximum	59	49	57	64	76	65	68	71	70	69	68	69	68	70	....	73	74	75	70	68	....	....	66	63	63	58	56	56	60	52	55	64.7
	Minimum	16	17	19	23	30	28	27	26	29	27	37	23	22	24	....	28	26	28	37	35	....	....	44	19	36	33	17	21	24	21	21	26.4
Metropolis	Maximum	45	37	33	39	43	48	45	47	47	48	48	48	50	50	50	48	53	54	52	51	50	50	52	54	40	47	42	45	48	44	49	47.0
	Minimum	22	9	19	20	33	31	20	19	23	24	20	18	19	22	22	22	24	26	30	29	27	24	24	23	26	29	28	31	32	32	23	24.2
Potts	Maximum	50	43	47	52	57	50	55	55	58	55	50	52	54	57	59	58	60	57	56	55	54	57	57	52	54	50	45	47	48	47	50	52.9
	Minimum	32	16	18	24	27	24	24	26	28	25	20	21	20	21	23	24	20	22	20	23	20	21	28	18	32	34	26	30	27	23	15	23.6
Shafter	Maximum	....	36	43	50	50	52	53	58	59	52	52	56	60	61	60	60	61	58	54	54	58	58	48	52	44	47	47	48	48	43	49	52.4
	Minimum	....	22	16	24	32	31	21	22	23	22	18	13	16	19	22	21	19	23	19	21	11	22	29	25	34	17	29	28	27	30	23	22.6
Tecoma	Maximum	55	55	51	55	56	56	55	55	64	65	62	60	64	65	65	64	65	65	64	65	64	65	62	64	63	63	62	63	64	62	62	61.3
	Minimum	15	12	8	14	18	20	18	12	14	19	10	5	10	10	15	15	12	18	10	10	8	12	4	15	14	12	20	20	18	16	10	13.4
Wells	Maximum	55	44	42	48	48	50	50	55	55	53	55	58	59	60	58	60	58	63	58	55	57	60	55	52	47	50	42	50	50	45	52	53.0
	Minimum	30	22	28	23	28	30	23	23	25	30	28	22	25	27	24	28	23	23	25	19	18	20	24	23	26	30	25	30	30	26	18	25.0
Winnemucca	Maximum	54	48	56	60	59	61	65	70	67	64	65	68	66	70	67	71	74	68	64	64	62	69	53	59	50	48	52	54	55	49	51	60.7
	Minimum	32	22	22	35	33	30	31	32	29	31	31	30	28	27	30	28	27	25	32	32	29	25	30	22	30	30	24	27	29	26	26	28.5
Truckee Basin.																																	
Fernley	Maximum	60	51	58	68	66	65	67	74	72	69	68	71	72	73	72	73	77	69	70	69	70	72	64	64	60	59	53	58	61	53	56	65.6
	Minimum	29	17	17	23	30	25	23	22	33	27	28	25	27	28	31	28	23	27	25	24	25	27	33	23	22	35	18	19	26	15	25	25.2
Glenbrook	Maximum	45	40	46	53	50	47	48	46	51	48	52	55	54	56	57	58	60	62	65	63	62	58	56	50	46	44	43	42	49	40	45	51.3
	Minimum	30	20	21	22	25	24	23	24	27	28	30	26	28	28	27	26	26	25	27	26	25	25	25	24	26	24	25	24	27	18	20	25.0
Lewers Ranch	Maximum	51	60	56	65	65	64	65	68	67	68	68	66	67	68	73	74	76	75	68	67	70	69	61	59	52	51	48	50	50	48	53	62.6
	Minimum	35	19	23	30	38	30	30	33	34	33	34	32	34	34	35	33	32	32	32	33	32	32	37	27	36	27	26	27	29	22	29	31.0
Reno	Maximum	55	49	59	65	62	65	68	73	67	68	65	68	66	71	70	71	74	72	68	69	69	65	57	58	53	48	48	50	50	46	52	62.0
	Minimum	31	23	25	31	33	31	31	31	35	32	31	32	35	31	33	32	31	33	38	32	33	34	40	30	37	31	28	25	32	28	30	31.6
Cathedral Park, Cal.	Maximum	50	53	56	58	59	60	53	59	60	53	59	57	57	53	54	70	72	73	65	77	65	61	63	58	55	50	50	54	45	49	51	58.0
	Minimum	31	30	20	22	27	29	30	30	30	31	28	29	30	31	31	29	37	31	30	32	30	32	31	34	30	28	29	31	25	30	31	29.3
Tahoe, Cal.	Maximum	43	36	42	45	49	48	45	45	48	49	51	51	50	51	46	56	57	51	52	53	48	53	45	47	40	45	35	36	33	35	38	45.9
	Minimum	22	10	15	22	24	24	25	23	26	25	25	26	25	24	26	25	30	26	24	24	25	27	28	20	30	30	24	27	26	12	19	24.5
Carson Basin.																																	
Fallon	Maximum	63	50	56	67	64	63	67	71	71	67	67	69	69	71	70	69	72	71	68	66	67	72	67	65	61	56	57	59	61	53	55	64.6
	Minimum	28	21	20	24	30	27	26	26	28	29	28	36	29	31	30	31	29	28	32	31	28	28	35	25	33	34	23	21	26	22	26	27.9
Gardnerville[b]	Maximum	63	59	57	65	68	65	65	68	67	69	67	68	71	67	69	70	70	....	71	66	67	69	59	60	60	67	55	52	....	53	52	64.1
	Minimum	45	19	23	26	26	27	26	26	28	26	27	27	30	26	28	30	29	....	26	25	27	30	32	23	28	26	23	27	....	25	22	27.0
Lahontan§§	Maximum	60	51	58	68	64	65	69	73	72	68	68	70	70	72	72	70	73	72	66	66	68	72	61	65	59	56	56	58	61	54	55	64.9
	Minimum	26	26	32	38	34	36	37	42	38	35	35	39	38	40	39	40	40	41	38	37	38	41	33	35	37	27	30	30	25	32	30	35.1
Walker Basin.																																	
Mina	Maximum	66	56	60	66	63	66	69	70	69	70	68	67	68	71	70	71	71	74	78	68	66	69	67	68	65	60	58	59	58	56	55	65.9
	Minimum	33	24	19	23	32	26	28	35	29	35	30	28	36	25	33	34	32	36	35	33	29	29	30	25	32	36	32	30	40	30	22	30.4
Yerington	Maximum	61	51	54	65	60	61	64	67	66	64	67	66	64	66	67	67	70	68	65	64	64	68	63	62	62	54	53	55	57	50	53	61.9
	Minimum	28	22	20	25	27	29	28	25	34	27	28	27	27	27	31	34	38	31	30	28	31	32	34	26	31	35	23	24	26	25	23	28.3
Bridgeport, Cal.	Maximum	44	36	32	35	36	36	34	38	34	36	36	37	39	35	37	40	41	41	40	42	43	46	48	42	41	46	41	42	41	39	43	39.4
	Minimum	15	−6	4	9	9	8	6	5	6	10	10	10	11	7	9	14	11	10	12	12	14	16	15	14	13	15	21	20	30	11	12	11.4
Colorado Basin.																																	
Caliente	Maximum	50	52	54	56	54	54	56	54	56	58	58	60	66	68	70	70	72	72	74	72	78	78	80	82	80	76	74	74	70	72	72	66.5
	Minimum	20	22	22	22	24	26	20	18	22	24	24	22	24	24	28	30	34	34	36	34	30	34	32	34	34	32	34	34	35	36	36	28.4
Indian Springs	Maximum	74	69	61	70	72	70	70	74	74	76	69	67	72	82	80	80	79	78	79	80	76	76	75	76	70	64	62	59	63	60	66	71.1
	Minimum	41	40	31	32	40	39	40	36	36	39	40	40	32	34	36	34	40	43	41	40	40	40	40	41	41	39	40	45	35	37	33	38.2
Las Vegas	Maximum	79	68	68	71	80	75	76	80	81	83	74	74	80	82	86	83	84	85	76	78	78	79	78	76	72	72	68	66	68	70	70	76.1
	Minimum	37	50	40	34	38	45	40	37	39	44	51	39	35	48	49	54	59	51	42	42	42	41	41	49	42	42	44	49	40	37	32	43.0
Logan	Maximum	77	68	72	72	79	79	79	81	81	83	76	77	80	84	87	84	83	78	80	79	75	78	81	76	73	72	71	62	70	70	70	76.7
	Minimum	40	49	40	34	36	43	48	44	40	42	54	48	44	41	41	48	45	52	44	43	44	38	46	47	53	42	48	40	43	41	39	43.8
Minor Basins.																																	
Cherry Creek	Maximum	55	35	45	55	49	52	53	60	61	54	51	57	60	62	61	58	61	60	53	52	50	60	50	52	55	48	42	44	48	42	51	52.7
	Minimum	32	27	14	24	35	27	26	27	32	31	26	21	25	27	30	32	29	30	30	32	27	23	39	27	33	35	31	28	30	32	22	28.5
Columbia	Maximum	63	51	57	63	61	63	69	68	62	65	62	61	66	68	69	69	72	69	63	66	64	67	62	62	58	51	49	53	49	52	50	61.4
	Minimum	35	23	20	27	32	29	31	33	34	34	32	26	28	29	32	37	33	32	29	34	30	30	35	25	34	35	27	30	30	27	20	30.1
Gerlach	Maximum	58	53	53	65	61	60	61	66	67	66	61	68	67	68	68	75	73	67	66	64	62	70	66	61	59	51	53	54	45	47	55	61.6
	Minimum	32	31	32	38	32	32	31	28	32	31	38	38	34	30	31	30	32	38	34	31	35	31	42	29	34	31	29	22	34	37	34	32.7
Geyser	Maximum	60	53	52	60	58	58	64	64	63	65	59	60	63	63	70	67	69	67	63	58	60	61	58	62	57	50	52	60	50	55	52	59.8
	Minimum	14	15	7	10	17	15	14	10	10	16	13	5	6	10	6	14	19	10	16	17	10	12	9	6	23	24	18	14	18	14	12	13.5
Jean	Maximum	70	69	71	73	76	74	73	72	67	65	66	68	71	76	79	70	70	71	73	72	66	67	69	70	72	79	81	78	76	70	76	71.9
	Minimum	44	43	44	45	51	52	52	50	45	44	43	49	47	50	55	51	50	53	53	51	43	42	40	42	50	54	55	56	53	52	53	48.8
Leeland	Maximum	74	66	68	73	77	72	78	80	81	80	75	75	78	82	85	85	85	86	79	80	78	78	80	78	80	72	65	64	73	65	63	76.0
	Minimum	35	37	33	30	40	45	41	40	37	43	47	34	35	35	40	59	49	47	46	43	38	42	40	36	42	38	40	42	41	33	30	29.9
Lida	Maximum	59	53	54	63	59	60	64	61	61	62	60	60	64	60	68	66	68	67	65	62	62	63	61	53	54	48	45	45	43	48	47	58.2
	Minimum	34	24	23	30	30	32	33	30	31	40	31	25	26	25	42	41	44	39	34	29	35	33	32	26	26	30	28	30	30	21	20	30.8
McDermit	Maximum	54	43	50	51	55	56	62	64	64	59	61	64	63	64	63	68	71	64	60	59	58	65	62	56	54	46	48	52	54	47	50	57.6
	Minimum	32	22	24	33	36	35	32	32	34	34	30	29	33	33	36	32	35	32	33	34	32	30	32	22	24	29	21	24	28	25	26	30.1
McGill	Maximum	59	50	50	55	55	55	58	64	62	57	57	62	63	66	64	63	65	64	60	57	55	62	64	55	57	53	46	48	49	49	52	57.3
	Minimum	36	24	19	30	33	28	28	33	33	33	27	25	27	30	30	35	30	30	29	30	24	27	35	28	36	33	32	30	31	29	24	29.6
Millett	Maximum	61	50	51	63	59	58	61	68	67	52	61	64	64	65	67	68	68	67	65	62	61	68	57	61	61	53	48	52	52	55	54	60.1
	Minimum	34	21	16	14	35	23	22	21	23	22	23	22	19	15	19	28	27	27	25	27	21	21	33	12	36	29	31	31	35	29	14	24.4
Oasis Ranch	Maximum	64	55	55	66	64	64	66	68	69	65	65	64	65	68	71	70	72	72	65	66	67	69	67	65	64	57	54	57	52	57	63	64.1
	Minimum	33	25	22	24	31	28	26	35	31	27	31	30	22	20	26	35	30	28	33	30	32	26	31	25	32	37	25	26	30	26	27	28.5
Pahrump	Maximum	....	69	66	73	77	70	77	81	79	81	77	75	77	80	84	82	84	83	85	76	78	77	73	71	85	66	67	62	62	62	60	74.6
	Minimum	....	43	28	27	33	36	32	30	35	37	34	33	33	34	35	52	60	59	34	34	38	37	52	35	36	36	35	42	44	40	41	38.2
Rebel Creek	Maximum	55	47	53	54	56	59	64	67	65	65	64	67	65	66	65	68	72	65	65	65	63	65	59	54	44	45	44	53	54	46	50	58.8
	Minimum	37	25	23	34	37	32	32	32	34	34	28	28	31	31	35	31	34	41	28	30	25	29	34	22	30	25	24	25	30	28	34	30.4
Rhyolite	Maximum	60	65	61	70	70	70	72	72	71	72	73	68	75	76	78	77	78	78	78	78	70	70	70	71	70	55	56	57	55	55	58	68.7
	Minimum	42	37	35	40	41	42	46	46	45	46	46	47	41	43	47	49	55	56	57	47	40	45	45	42	40	38	36	39	36	33	36	43.2
Sand Pass	Maximum	59	49	54	65	61	63	61	70	70	66	66	69	71	72	74	68	76	71	67	66	67	72	60	62	58	50	53	55	52	51	55	63.0
	Minimum	34	23	26	20	32	35	35	32	31	32	40	41	38	37	31	36	38	33	37	37	35	35	40	28	36	29	30	28	35	24	32	32.9
Searchlight	Maximum	73	63	56	66	69	66	68	73	73	72	65	66	70	74	76	72	74	75	70	68	68	71	71	67	62	58	55	54	57	57	62	66.8
	Minimum	51	43	38	42	47	50	50	55	51	52	51	48	52	48	60	56	58	55	52	46	48	46	49	45	41	38	39	41	41	37	36	47.3
Tonopah	Maximum	57	41	50	60	56	58	61	64	61	60	50	57	60	63	64	61	65	64	58	59	57	60	56	57	55	46	44	48	44	46	47	56.0
	Minimum	30	22	27	40	38	41	41	45	44	43	40	36	40	43	46	38	42	44	39	41	40	38	37	32	35	36	29	30	29	30	29	36.9

a, b, c, etc., indicates respectively 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Total Precipitation, inches, March, 1914.



Snowfall in elevated regions of Nevada Section, March, 1914.

The precipitation during March was very light and the greater portion of it was in the form of snow.

The average precipitation for 10 stations in the Truckee Basin was only 0.06 inch, and there was only a trace in the Carson and Walker basins. The average of 12 stations in the Humboldt Basin was 0.43 inch, which was only about one-third of the usual amount.

At the end of March there were about five inches of snow on the ground at Hobart Mills, at an elevation of 5,900 feet. At the Lake Tahoe level, which is 6,225 feet, the average of six stations was 39 inches. The snow increased from 39 inches at the lake level to 137 inches at an elevation of 7,400 feet, just south of Ward Peak. The snow at Glen Alpine, 6,850 feet, was from 60 inches to 72 inches deep. At Grass Lake it was from 72 inches to 84 inches. At Luceil Lake it was from 96 inches to 120 inches. On the east side of the lake it was 84 inches deep at an elevation of 8,000 feet, just west of Marlette Lake. In the Carson and Walker basins the snow was so deep on nearly all northwest, north and northeast slopes above 9,000 feet that a 260-inch snow sampler would not reach the bottom. Snow surveys the last of March showed that there were about 938,000 acre-feet stored in the Walker Basin and about 790,000 acre-feet in the Carson Basin. In the eastern and northern portions of the State deep snow is reported in the mountains, but no figures can be obtained. The snow is very compact and in good condition for late melting. The excess of precipitation in January and February was enough to more than make up for the deficiency in March, and with light precipitation the remainder of the season there will be sufficient for irrigation purposes.

The average precipitation for eight stations in the Truckee Basin from September 1st to March 31st was 28.83 inches, which is 5.73 inches more than the four-year average and is 8.20 inches less than for the same period in 1910-11. The average for two stations in the Carson Basin was 26.70 inches, which is 8.46 inches greater than the four-year average, and is 2.20 inches less than for the same period 1910-11. The average for four stations in the Walker Basin was 14.96 inches, which is 5.75 inches greater than the average for the four-year period, and is 3.19 greater than for the same period in 1910-11. The average for the Humboldt Basin was 6.69 inches, which is 2.91 inches greater than the four-year average, and is 0.10 inch less than for the same period in 1910-11.

The weather has been considerably warmer than usual this spring, but has not affected the snow much at higher levels.

COMPARATIVE SEASONAL PRECIPITATION.

Years.	Truckee Basin.	Carson Basin.	Walker Basin.	Humboldt Basin.
Precipitation from September 1, 1910, to March 31, 1911.....	37.03	28.90	11.77	6.79
Precipitation from September 1, 1911, to March 31, 1912.....	10.28	5.14	3.71	5.12
Precipitation from September 1, 1912, to March 31, 1913.....	13.82	12.16	6.13	6.01
Precipitation from September 1, 1913, to March 31, 1914.....	28.83	26.70	14.96	6.69

SNOWFALL.

Stations.	Counties.	Total snowfall during March.	Total precipitation during March.	Depth of snow on the ground March 15.	Depth of snow on the ground March 31.	Total precipitation September 1 to March 31.	Average precipitation Sept. 1, to Mar. 31, for past 4 years.	Departure from 4 years' average.
Truckee Basin.								
Bijou	Eldorado	0.0	0.00			24.84	17.74	+ 7.10
Boca	Nevada							
Cathedral Park	Eldorado	2.0	0.04	41.0	33.0	31.08	26.48	+ 4.60
Deer Park	Placer	6.0			50.0			
Glenbrook	Douglas	0.0	0.00	15.0	10.0	19.68	16.70	+ 2.98
Hobart Mills	Nevada	2.0	0.02	24.0	5.0	25.70	21.98	+ 3.72
Lewer's Ranch	Washoe	T.	T.		0.0	16.93	16.51	+ 0.42
McKinneys	Placer	2.6	0.32	60.0	52.0	35.72	31.67	+ 4.05
Marlette Lake	Washoe	0.5	0.05	105.0	84.0	35.41		
Tahoe	Placer	2.0	0.11	54.0	42.0	39.82	26.50	+13.32
Tallac	Eldorado	T.	T.		48.0	30.27	20.64	+ 9.63
Truckee	Nevada							
Carson Basin.								
Markleeville	Alpine	T.	T.			25.85	21.36	+ 4.49
Tamarack	do							
Woodfords	do	0.0	0.00			27.54	15.10	+12.44
Walker Basin.								
Bridgeport	Mono	0.0	0.00	12.0	6.0	11.44	9.23	+ 2.21
Lundy	do	0.5	T.	57.0	30.0	25.54	14.83	+10.71
Shield's Ranch	do	0.0	0.00			12.88	7.33	+ 5.55
Smith	Lyon	0.0	0.00	0.0	0.0	10.00	5.46	+ 4.54
Humboldt Basin.								
Arthur	Elko		0.70			9.11	9.26	− 0.15
Beowawe	Lander		0.05	0.0	0.0	5.22	4.71	+ 0.51
Dry Farm	Elko	6.0	0.74			10.58	8.00	+ 2.58
East Rochester	Humboldt							
Eureka	Eureka	6.0	0.46	0.0	0.0	6.79	7.68	− 0.89
Halleck	Elko	6.0	0.60	0.0	0.0	5.08	3.62	+ 1.46
Hylton	do	6.0	1.15			8.46	7.92	+ 0.54
Jack Creek	do							
Metropolis	do	2.0	0.20	9.0	0.0	6.57	7.70	− 1.13
North Fork	do	2.0	0.18	9.0	3.0	4.14	6.51	− 2.37
Potts	Nye	4.0	0.07	0.0	0.0	1.11	2.04	− 0.93
Rose Creek	Humboldt	2.0	0.21	0.0	0.0	10.93		
Wells	Elko	8.5	0.73			5.23	3.44	+ 1.79
Winnemucca	Humboldt	0.1	0.08		0.0	7.01	5.22	+ 1.79

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

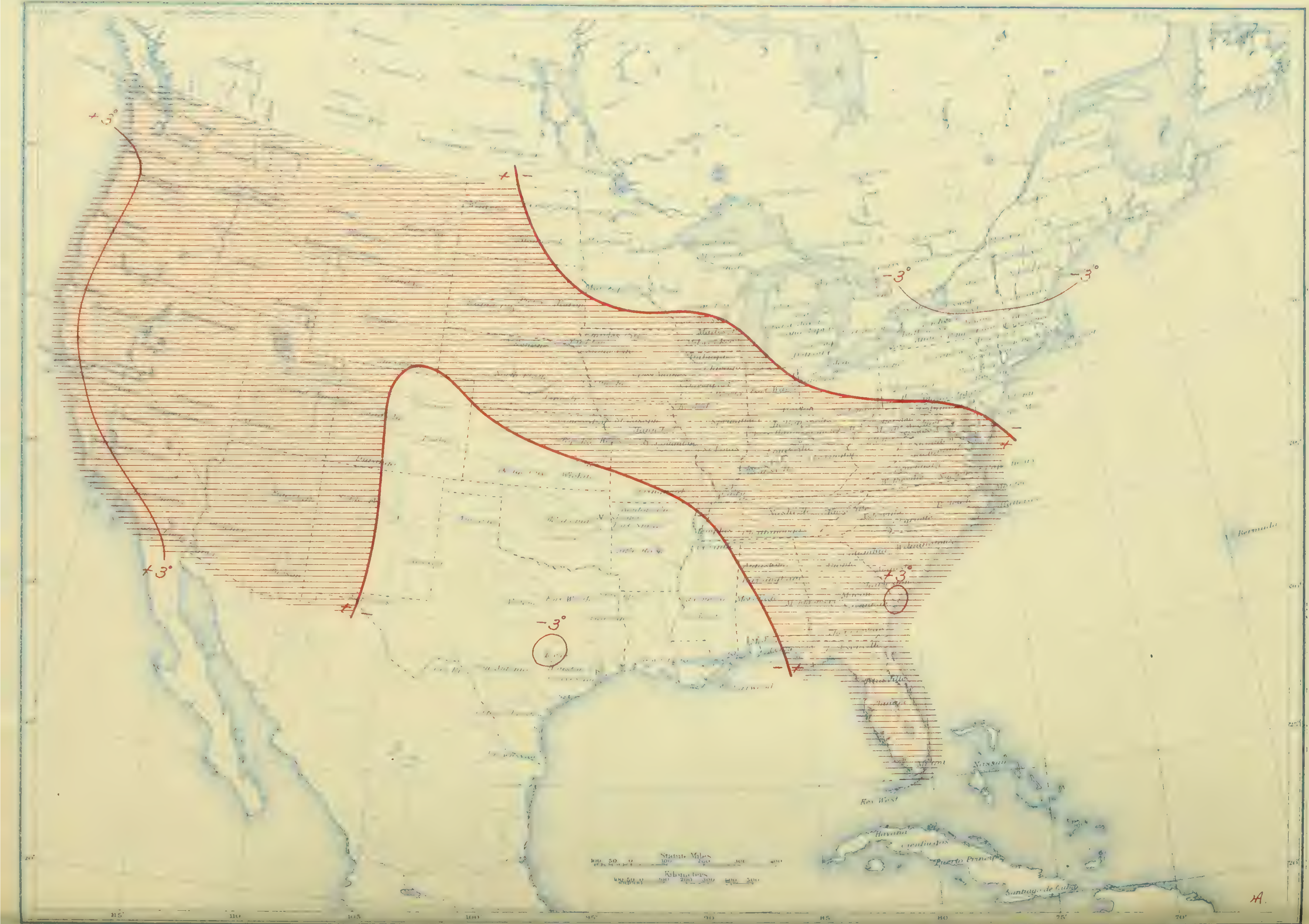
NEVADA SECTION

APRIL, 1914

BY
HARVEY S. COLE
SECTION DIRECTOR

LOS ANGELES, CAL.
WEATHER BUREAU OFFICE
MAY 19, 1914.

Departure of the Mean Temperature from the Normal, April, 1914.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HARVEY S. COLE, Section Director.

Vol. XXIX. Reno, Nevada, April, 1914. No. 4.

GENERAL SUMMARY.

The month of April was remarkable because there were so few wind storms and killing frosts, such as frequently occur during that month. Except in the extreme south there were no very warm and no very cold days. At Las Vegas the temperature rose to 102 degrees, on the 19th. This has been exceeded but once in April during 25 years. The first 21 days of the month were warm; the remainder of the month was cold. Showers occurred from the 4th to the 11th, on the 15th and rain in the south, rain and snow farther north from the 20th to the end of the month. Fruit blossoms have been reported except in the northeast portion of the State, and in most instances have escaped serious injury, even though the temperature has fallen to 22 degrees in some instances. In the extreme south the first crop of alfalfa is about all cut, grain is heading and early fruit nearly matured.

PRESSURE.

The mean atmospheric pressure for April at three stations was 29.98 inches, sea level, which was slightly above normal. Areas of low pressure moved in across Oregon and Idaho, causing low pressure in Nevada from the 1st to the 5th and and from the 8th to the 10th, and from the northwest coast, causing low pressure in Nevada on the 14th, from the 19th to the 23d and from the 26th to the end of the month. Areas of high pressure moved in from the Pacific after each of these, causing precipitation after the areas of low pressure had passed.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 45 stations, was 49.2 degrees. The mean departure from the normal for the 20 stations having ten years or more record was plus 0.3 degrees. Monthly means were above normal except at a few stations in northeastern and central portions of the State. The temperature was above normal nearly all the time during the first and second decades, below normal during the last decade. Highest temperatures usually occurred on the 14th or from the 18th to the 20th; lowest temperatures usually on the 1st, or on the 16th or 17th, except in the extreme south where they occurred from the 21st to the 25th. The highest temperature in the State during the month was 102 degrees at Las Vegas on the 19th. A temperature of 83 degrees was reported at Owyhee, near the north border, on the 14th. The lowest in the State was 5 degrees at Geyser on the 3d. No freezing temperature was reported south of the 37th parallel.

HUMIDITY.

The mean relative humidity for the 5 a. m. and 5 p. m. observations at the three regular Weather Bureau stations was 53 per cent. The means ranged from 2 per cent to 14 per cent above normal, the former occurring at Tonopah and the latter at Winnemucca. The total evaporation for the month at Lahontan was 3.68 inches.

PRECIPITATION.

The average amount of precipitation for the 51 stations in Nevada was 1.23 inches. The average departure from the normal for the 21 stations having ten years or more record was plus 0.28 inch. With a few exceptions the precipitation was evenly distributed over the State. The average for the State was nearly twice as great as for April, 1913, and has been exceeded but three times in the past 25 years. The average of three stations in the Columbia Basin was 1.82 inches. The average for 17 stations in the Humboldt Basin was 1.36 inches, and for the 10 stations with ten or more years record it was 0.26 inch more than normal. The average amount for 12 stations in the Truckee Basin was 2.43 inches. Only three of these stations have ten or more years record, but it is evident from these that there was more than the normal amount. The average for the basin from September 1st to April 30th was 31.26 inches, which is 6.37 inches greater than the four-year average and lacked 6.61 inches of being as great as for the same period in 1910-1911. The average for five stations in the Carson Basin was 1.03 inches, which was probably above normal. The average for seven stations in the Walker Basin was 1.11 inches. The departures for the two stations having normals indicate that the precipitation for the basin was above normal. The average for three stations in the Colorado Basin was 1.12 inches, which was decidedly above normal. The greatest amount at any station in the State was 3.57 inches at Eureka. Only a trace was reported at Battle Mountain and only 0.04 inch at Imlay. Considerable snow occurred in the mountains and in northern and eastern portions of the State. The total snowfall for the month at Arthur and Potts was 17 inches, each; at Marlette Lake it was 21 inches; at Lundy, Cal., it was 34 inches. Most of the snow has disappeared on southern and western slopes, but at higher levels on northern and northeastern slopes there are drifts from 10 to 20 feet deep, and there has been but little run-off above 8,000 feet.

WIND.

In the western half of the State the wind was usually from the southwest or west; in the eastern half, from the south. The average hourly velocity was considerably less than normal. The highest velocity reported was 43 miles per hour from the west on the 9th. Some damage was done in Smith Valley by high wind on the 15th.

SUNSHINE AND CLOUDINESS.

The average number of cloudy days for the State was 11; the number of days with 0.01 inch or more precipitation was 7; both were unusually large.

MISCELLANEOUS PHENOMENA.

Solar halos occurred on the 1st and 27th.

Lunar halos occurred on the 5th, 6th and 7th.

Hail occurred at Searchlight on the 28th.

Thunderstorms occurred at Cherry Creek on the 7th and 9th; at Eureka on the 5th; at Owyhee on the 8th and 15th; at Searchlight on the 28th and 29th.

Earthquake shocks occurred in western portions of the State on the 4th, 6th, 23d, 24th, 25th and 26th.

Climatological data for April, 1914.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days				Prevailing direction of the wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted.)	With precipitation (0.01 inch or more.)	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek	Elko	6,600	1	38.0		62	20	19	†16	33	1	1.50		0.58		10	4	14	12	n	Forest Supervisor.
Jack Creek	do	6,300									1	2.74		1.10	8.0	7	8	13	9	w	C. E. Butler.
Owyhee	do	5,400	3	49.2		83	14	16	17	51	3	1.23		0.59		10	5	15	10	n	Frank Weber.
San Jacinto	do		9								9										F. W. McEntire.
Humboldt Basin.																					
Arthur	Elko	6,500									4	2.60		1.00	17.0	7	12	1	17		Isaac Woodhouse.
Austin	Lander	6,594	25								25										F. O. Booe.
Battle Mountain	do	4,843	43	50.2	+0.6	78	16	20	17	57	45	T.	−0.81	T.	T.	0					Southern Pacific Co.
Beowawe	Eureka	4,905	43	45.8	−3.1	74	14	20	17	45	45	0.79	+0.15	0.37		5	1	17	12		Do.
Carlin	Elko	5,232	43								43										Do.
Clover Valley	do	6,000	13								21										I. F. Wiseman.
Dry Farm	do	5,600	2	44.6		69	†14	20	28	40	5	2.67		0.91	1.0	11					Walfrid Sohlman.
Elko	Elko	5,432	43	44.6	−0.1	82	15	10	17	56	44	1.25	+0.73	0.36		6	11	5	14	sw	Western Pacific Co.
Eureka	Eureka	6,500	16	45.6	+0.4	75	19	18	17	40	18	3.57	+2.40	1.80	14.4	11	5	6	19	s	Clay Simms.
Golconda	Humboldt	4,697	35	46.9	−1.1	68	18	25	1	27	37	0.70	+0.10	0.20		6	9	10	11	w	Southern Pacific Co.
Halleck	Elko	5,631	21	42.8	−0.9	72	14	16	17	54	45						3	0	27	s	Do.
Hylton	do	7,081									4	1.57		0.67		9	6	24	0		Chas. Toyne, sr.
Imlay	Humboldt	4,209	1	49.4	+0.3	71	†3	21	17	42	1	0.04	−0.33	0.01	0	4	3	15	12	sw	Southern Pacific Co.
Lovelocks [e]††	do	3,997	20	50.2	−1.0	77	†14	21	17	50	18	0.90	+0.73	0.35	0	12	9	11	13	n	High School.
Metropolis	Elko		1	45.0		67	14	19	17	37	5	1.19		0.62	T.	5					O. M. Lloyd.
North Fork	do	6,500									5	0.99		0.38	0.5	7	2	4	24	w	Chas. Pratt.
Potts	Nye	5,040	21	43.0	−0.5	70	†14	14	17	45	23	0.55	−0.16	0.15	17.5	6	3	4	23	s	Miss Maud Potts.
Rochester	Humboldt	7,500	1	43.3		69	†14	19	16	36	1	2.15		1.00	T.	7	18	0	12	w	E. B. Mills.
Rose Creek	do	6,350									4	2.17		0.51	2.0	9	7	11	12		Henry Salvai.
Shafter	Elko	5,583	1								1										Geo. Kernan.
Tecoma	do	4,812	36	45.2	−1.6	73	†20	11	17	60	37	0.15	−0.43	0.08		5	2	20	8	w	Southern Pacific Co.
Wells	do	5,631	42	43.2	−1.8	73	19	18	†8	43	45	0.05	−0.60	0.05	0.5	1	5	15	10		Do.
Winnemucca	Humboldt	4,432	35	48.6	+1.5	75	14	23	17	41	45	1.32	+0.44	0.39	T.	10	7	7	16	sw	U. S. Weather Bureau.
Truckee Basin.																					
Fernley	Lyon	4,200	41	50.2	0.0	79	14	18	1	51	45	1.00	+0.65	0.60		2	15	4	11	w	Mrs. G. A. Steele.
Glenbrook	Douglas	6,240	5	38.9		57	19	22	25	30	5	1.10		0.40	11.0	3	13	10	7		C. C. Henningsen.
Lewers Ranch	Washoe	5,500	26	46.6	−0.2	79	18	24	24	45	27	2.70	+1.31	1.10		7	2	20	8		Ross Lewers.
Marlette Lake	do	7,900									1	2.14		0.98	21.0	7	6[a]	5[a]	18[a]	w	V. & G. H. Water Co.
Reno	do	4,532	27	49.0	+1.7	77	18	27	1	43	27	0.70	+0.09	0.67	T.	5	9	13	8	w	U. S. Weather Bureau.
Bijou, Cal	Eldorado	6,230									5	1.88		0.42	6.0	11	3	6	21	sw	Chas. Young.
Cathedral Park, Cal	do	6,400	2	47.0		69	19	26	16	39	2	2.93		0.65	12.0	13	9	6	15	s	Carl Fluegge.
Deer Park, Cal	Placer	6,500									5	6.55		1.70	6.0	10	2	16	12		Miss Katherine Chandler
Hobart Mills, Cal	Nevada	5,900									5	0.86		0.24	6.0	9	9	9	12	s	S. E. Patterson.
McKinneys, Cal	Placer	6,225	5								5	3.31		0.62	7.9	17	4	7	19	sw	Fred Jensen.
Tahoe, Cal	do	6,240	6	37.0		66	20	18	24	33	6	2.29		0.58	6.0	10	11	4	15	w	Robert Watson.
Tallac, Cal	Eldorado	6,230									5	3.50		0.95	10.5	8	1	19	10	sw	J. H. Pomin.
Carson Basin.																					
Fallon	Churchill	3,965	20	50.8	+0.8	78	14	24	†1	43	20	0.25	−0.10	0.16	0	3	14	7	9	sw	U.S. Experiment Station.
Gardnerville [d]	Douglas	4,830	23	49.4	+0.8	75	18	22	1	44	24	1.48	+0.87	1.21		4	16	7	3	w	Forest Service.
Lahontan	Churchill	4,200	2	52.9		79	14	30	16	34	4	0.45		0.24		6	15	11	4	w	U.S. Reclamat'n Service.
Markleeville, Cal	Alpine	5,525									5	1.77		0.42	8.0	7	5	21	4	s	Mrs. Mary Thornburg.
Woodfords, Cal	do	5,634									5	1.20		0.32	4.0	7	14	4	12	sw	G. P. Merrill.
Walker Basin.																					
Mina	Mineral	4,600	7	51.9	+0.5	80	14	24	17	47	18	0.47	+0.21	0.25		3	12	6	12	n	Southern Pacific Co.
Smith	Lyon	4,000									6	1.58		1.03		4	7	11	12	sw	C. M. Carter.
Thorne [i]	Mineral	4,200	1	51.4	+0.8	83	12	25	17	49	1	1.00	+0.71			2	10	0	11	w	Southern Pacific Co.
Yerington	Lyon	4,375	5	49.6		77	19	23	1	44	5	0.85		0.42		6	13	7	10	sw	High School.
Bridgeport, Cal	Mono	6,500	1	40.8		70	18	17	1	45	3	0.76		0.22	5.0	10	14	7	9	nw	A. F. Scott.
Lundy, Cal	do	8,000									5	1.64		0.35	34.0	11	8	5	17		W. H. Smith.
Shields Ranch, Cal	do	5,300									5	1.47		0.80		5	13	8	9		Frank W. Chichester.
Colorado Basin.																					
Caliente	Lincoln	4,407	4								4	0.32		0.10	0	6	18	0	12	s	Salt Lake Route.
Indian Springs††	Clark	3,136	1	59.4		88	15	34	17	43	1	1.77		0.62	0	4	20	7	3		Ira McFarland.
Lake Valley	Lincoln		1								1										Lake View Farming Co.
Las Vegas	Clark	2,033	12	63.3	+3.5	102	19	36	23	58	12	0.75	−0.43	0.36	0	4	13	7	10	s	C. P. Squires.
Logan	do	1,355	7	65.0	+1.1	95	14	38	23	43	15	1.48	+1.32	0.90		5	22	4	4	s	Orin W. Jarvis.
Minor Basins.																					
Cherry Creek	White Pine	6,450	6	45.0		73	19	22	17	37	6	2.54		0.56	29.5	12	4	11	15	w	J. H. Leishman.
Columbia	Esmeralda	5,750	7	49.3		78	†14	24	17	41	9	1.56		0.92	5.0	8	13	11	6	nw	A. Booth.
Gerlach	Washoe	3,931	2	50.0		78	19	25	17	42	2	0.87		0.25	T.	7	2	20	8	e	Western Pacific Co.
Geyser	Lincoln	6,055	10	39.2		74	7	5	3	63	10	0.39		0.14		5	9	15	6	s	Mrs. J. F. Wambolt.
Jean	Clark	2,074	6	59.8		90	†15	37	†21	32	7	1.25			0	5	15	9	6	sw	Salt Lake Route.
Leeland	Nye	2,500	1	63.3		89	2	36	1	45	1	0.90		0.80	0	3	12	10	8	s	Agent T. & T. R. R. Co.
Lida	Esmeralda	6,037	2	46.8		72	14	21	1	38	2	1.15		0.74		4	20	6	4	nw	L. F. Detwiler.
McDermit	Humboldt	4,700	24	46.4	+1.0	72	14	24	†16	38	24	0.99	−0.53	0.27	T.	12	15	11	4	sw	F. M. Bullock.
McGill	White Pine	6,338	4	46.0	+3.0	74	14	25	17	38	4	1.48	+0.34	0.39	T.	9	10	13	7	s	R. E. Middagh.
Millett	Nye	6,002	6	47.1		78	20	18	†17	46	7	0.42		0.15		3	7	4	19		Fred T. Jones.
Oasis Ranch	Esmeralda	5,106	2	51.8		81	20	27	11	47	2	0.76		0.26		4	9	14	7	s	A. S. Patterson.
Pahrump [b]	Nye	2,668	1	59.6		88	15	36	25	45	1	1.56		0.74	0	4	16	7	5	s	F. A. Buol.
Quinn River Ranch	Humboldt	4,850	12								13										F. M. Payne.
Rebel Creek	do		2	48.2		72	18	25	†16	37	3	1.77		0.57	T.	10	6	7	17	sw	Mrs. E. J. Hyatt.
Rhyolite	Nye	3,680	1	57.4		85	20	34	†22	42	1	2.11		1.10		5	2	25	3	nw	Chas. Kirchen.
Sand Pass	Washoe	4,198	1	50.6		80	19	27	16	42	1	0.73		0.35		5	9	16	5	w	Western Pacific Co.
Searchlight	Clark	3,445	1	60.6		87	14	36	†22	28	1	1.79		0.86	0	4	12	9	9	w	C. L. Aug. Mahn.
Sharp	Nye		1								1										F. A. Seers.
Tonopah	do	6,090	9	47.4		73	14	27	17	33	9	0.50		0.26	T.	6	9	13	8	nw	U. S. Weather Bureau.
For the State				49.2	+0.3	102	19	5	3	63		1.23	+0.28	1.80	4.4	6	9	10	11	w	

Estimated and incomplete data not considered in means.

All other data are considered in determining section means, but the mean departures from the normal temperature and precipitation are based on records from stations that have ten or more years of observations.

Reference letters [a], [b], [c], appearing in the table indicate number of days missing; for example, [b] represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for April, 1914.

Stations.	Day of month.																															Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia Basin.																																
Gold Creek					.11	T.	T.	T.	*	.31	.12				T	.07				*	.58		.21	.05			.02					1.[illegible]
Jack Creek				T.	.27	T.	T.	T.	.27	1.10						.30				*	.16	T	.34	T		T	T	T	T			2.44
Owyhee				.08		T.	T.	.10	T.	.15	T.				.03	.04				.10	.59		.02			T	.10		T.	.02		1.23
San Jacinto																																
Humboldt Basin.																																
Arthur							T.	.20	*	1.00					T.	T.						.70				T.		.30	.10	.30		2.60
Austin																																
Battle Mountain||||																							T.	T.			T.		T.			T
Beowawe||||									.37											.12				.14				.07		.09		0.79
Carlin||||																																
Clover Valley																																
Dry Farm								.20	.26	.31	.26					.05							.91	.33			.21	.02	.10	.02		2.67
Elko				T.			T.	T.	.07	.28	.13												.36	T.			.15			.26		1.25
Eureka					.25		.09		.11	.18	.09											.14	.02	.24				.35	1.80	.30		3.57
Golconda				T.					.15	.20	.05										.18	.10				T.	.02					0.70
Halleck																																
Hylton						.15			*	.15												*	.30	.30			*	*	.67			1.57
Imlay									T.	T.	T.									.01	.01	.01	.01					T				0.04
Lovelocks							.01		.04	.03											.35	.23	.03	.01	.02	.01	.06	.10	.01			0.90
Metropolis				T.	.03				T.	.12													.62	.14					T.	.28		1.19
North Fork					.10				.10	.29					.02						.38		.09				.02					0.99
Potts						T.	T.			.05												.15	.12	T.			.05		.13	.05		0.55
Rochester							T.	T.	.15	.10											.60	1.00	.13			.10		.10				2.15
Rose Creek					.15		.10		.22	.46											.51	*	.40			.08	.25					2.17
Shafter																																
Tecoma					.02	.03	.01			.01																			.08			0.15
Wells																							.05									0.05
Winnemucca***				.15	.07	.02	.07	T.	.35	.09			T.							T.	.28	.12	.06			T.	.11					1.32
Truckee Basin.																																
Fernley				T.		T.			T.	T.											.60	.40					T.	T.	T.	T.		1.00
Glenbrook				.40					.25												.05	.40	T.					T.				1.10
Lewers Ranch					.70				*	.35					.30						*	1.10						.25				2.70
Marlette Lake				.28					.21											.06	.98	.20					.25	.16				2.14
Reno ***				T.					.01						.01						.65	.02	T.					.01				0.70
Bijou, Cal				.22	T.				.28	.07					.22	.05				.03	.42	.18	.04		.03	T.	T.	.34	T.	T.		1.88
Cathedral Park, Cal				.60	.10	.05			.65	.06					.03					.02	.30	.40	.25			.03	.24	.20				2.93
Deer Park, Cal				.60	.20				1.70	.65					.55						.60	.65	.40				.75	.45				6.55
Hobart Mills, Cal				.03	.03				[illegible]	.01					.06						.20	.17	T.				.07	.05				0.86
McKinneys, Cal.	.03			.22	.46	.08	.03		.62	.36	.05				.52					.05	.09	.22	.11		.02	.01	.21	.23				3.31
Tahoe, Cal				.12	.18	.04			.58	.18					.40							.20	.05				.30	.24				2.29
Tallac, Cal				.85	T.	.10			.95	.10					.55					T.	.10	.45	T.			T.	T.	.40	T.	T.		3.50
Carson Basin.																																
Fallon				T.	.05																.16	.04										0.25
Gardnerville				T.					T.						.15					T.	*	1.21	T.					.12	T.			1.48
Lahontan||||				.15	.01			T.	T.												.24	.01					.01			.03		0.45
Markleeville, Cal				.35	T.			T.	.29	.08					.12						.11	.42						.40				1.77
Woodfords, Cal				.18						.26					.16						.14	.32						.08	.06			1.20
Walker Basin.																																
Mina																					.25	.11								.11		0.47
Smith			.05																		1.03	.23	T.					.17	T.	T.		1.58
Thorne																					*	1.00								T.		1.00
Yerington					.05	T.															.31	.42	T.				.01	.02		.04		0.85
Bridgeport, Cal				.18	.06				.02	.05					.02						.08	.22						.02	.03	.08		0.76
Lundy, Cal				.08	.12	.01			.18						.20						.35			.10	.05			*	*	.55		1.64
Shields Ranch, Cal				.17											T.						.10	.80						.35	.05	T.		1.47
Colorado Basin.																																
Caliente				.10																		.05		.05	.01	.10						0.32
Indian Springs																						.62						.45	.44	.26		1.77
Lake Valley																																
Las Vegas																						.36						.20	.17	.02		0.75
Logan																						.08			T.			.40	.90	.10		1.48
Minor Basins.																																
Cherry Creek					.21		T.		.02	.35	.14				.01	.05							.56	.10	.04		T.	.40	.36	.30		2.54
Columbia					.04																	.26	.13	.10	.03			.01	.07	.92		1.56
Gerlach				.02					.10	.25	.10										.11	.22					.07	T.				0.87
Geyser																				T.			.03	.08				.14	.08	.06		0.39
Jean							T.															*	.25				*	*	1.00			1.25
Leeland																						.10							.80			0.90
Lida																						.10	.11					T.	.20	.74		1.15
McDermit	T.			T.	.05	T.	.03	T.	.18	.27	.01				T.			T.	.03	.13	.13	.09	.02	T.		.03	.02					0.99
McGill									.11	.39					.12							.08		.10	.16			.20	.22	.10		1.48
Millett										.15					T.						T.								.12	.15		0.42
Oasis Ranch																					T.	.26		.25				T.	.16	.09		0.76
Pahrump																						.74			T.			*	.63	.19		1.56
Quinn River Ranch																																
Rebel Creek				T.	.17				.20	.57	.10			T.						.02	.25	.22	.12			.05	.07					1.77
Rhyolite																						.50				.03	.02	.46		1.10		2.11
Sand Pass										.08	.02											.35	.14					.14				0.73
Searchlight																						.73				.02		.86	.18	T.		1.79
Sharp																						.48	.30		.12			.27	.22	.26		†1.65
Tonopah***				T.	.01				.02												.10	.16		.01					T.	.20		0.50

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight.

|||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

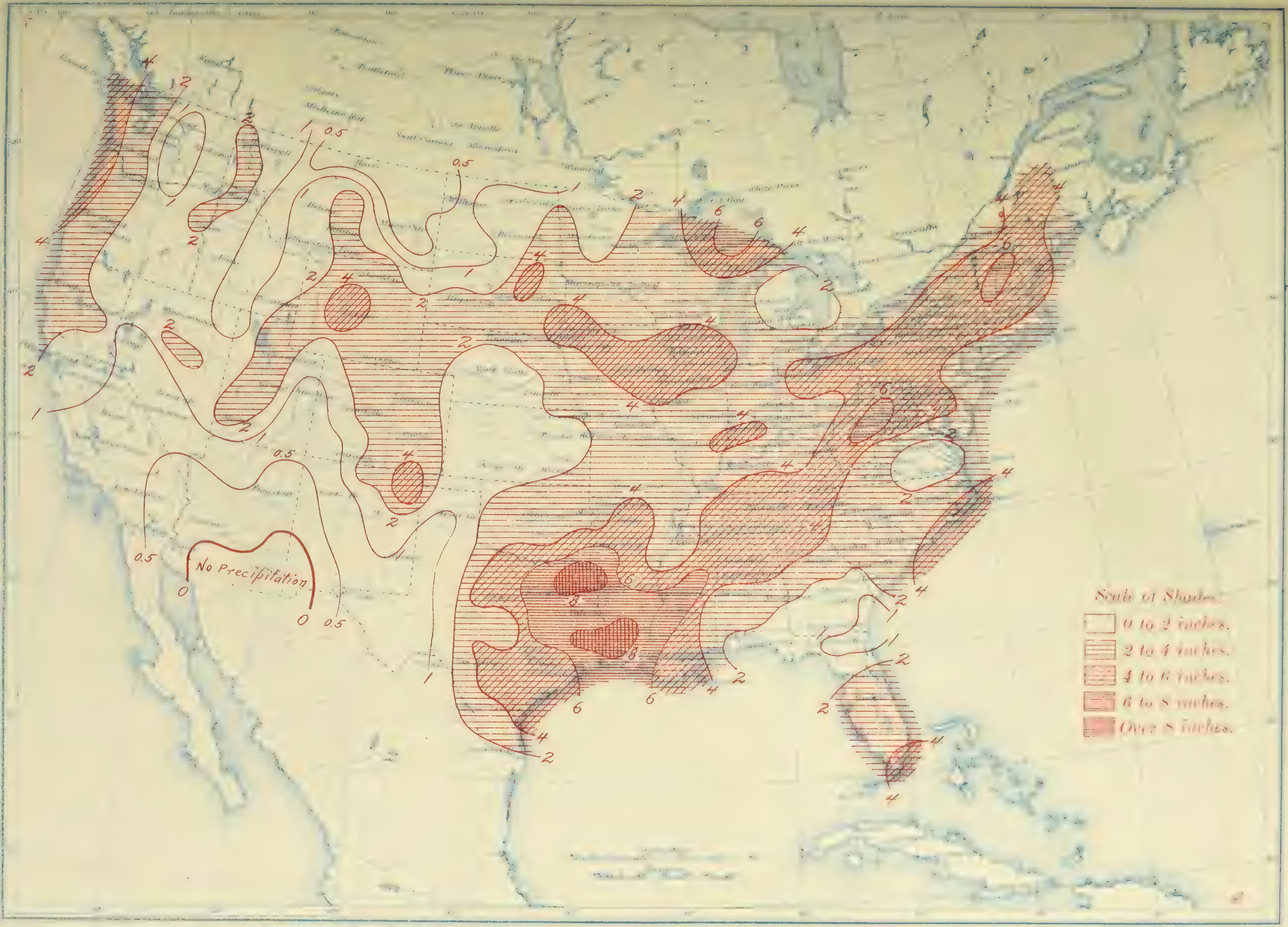
T. Trace, or less than 0.01 inch † First 14 days missing from the record.

Daily temperatures for April, 1914.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek	Maximum	51	53	57	56	50	50	47	48	47	41	42	52	58	61	58	48	52	55	50	62	50	55	50	42	45	47	40	39	39	37	....	49.4
	Minimum	20	29	22	35	33	24	21	25	26	31	21	25	30	29	42	19	19	32	25	32	31	30	35	30	21	20	22	21	25	22	....	26.7
Owyhee	Maximum	65	70	72	68	70	71	65	68	61	48	64	69	72	83	67	68	66	74	73	69	59	64	63	61	64	69	50	54	55	52	....	65.1
	Minimum	23	32	42	41	42	33	27	26	40	35	33	30	41	32	48	26	16	37	48	41	35	36	39	30	22	26	29	22	27	37	....	33.2
Humboldt Basin.																																	
Battle Mountain §§	Maximum	70	69	72	68	68	70	72	75	74	70	68	72	72	74	74	78	69	74	76	70	75	74	77	78	74	71	69	70	65	68	....	71.7
	Minimum	30	28	35	25	36	36	35	40	36	28	24	26	25	28	26	21	20	24	24	23	23	25	30	31	29	29	24	35	35	36	....	28.7
Beowawe§§	Maximum	62	61	70	63	66	58	55	61	48	48	52	63	70	74	64	52	65	66	61	65	61	60	50	47	44	48	47	45	45	43	....	57.1
	Minimum	23	41	34	33	32	30	38	29	32	39	38	29	37	35	52	32	20	32	37	45	41	35	45	35	32	28	32	32	37	30	....	31.5
Dry Farm	Maximum	58	59	65	67	60	59	52	52	54	44	49	59	65	69	61	49	55	66	69	64	62	59	51	47	50	53	44	41	41	50	....	55.8
	Minimum	30	32	32	44	41	37	36	34	31	34	32	35	44	42	35	23	23	41	40	49	22	32	33	32	31	28	29	20	27	29	....	33.3
Elko	Maximum	68	69	73	70	68	65	66	66	60	51	60	54	70	81	82	56	63	70	80	76	72	70	68	62	60	62	66	55	52	58	....	65.6
	Minimum	20	28	20	32	22	20	28	20	22	28	26	20	26	27	41	18	10	26	24	21	18	20	29	27	22	20	19	23	25	24	....	23.5
Eureka	Maximum	60	61	69	71	59	58	55	56	55	57	50	64	71	74	67	51	58	69	75	65	61	60	54	52	52	53	50	39	39	49	....	58.5
	Minimum	23	37	36	48	36	31	35	27	31	32	32	32	34	35	40	25	18	31	42	45	41	38	31	30	31	25	27	29	31	27	....	32.7
Golconda	Maximum	56	61	65	56	65	63	60	50	54	46	49	60	58	63	66	50	51	68	60	58	48	45	51	60	51	50	49	50	54	50	....	55.6
	Minimum	35	38	40	37	39	38	40	35	38	33	35	38	35	40	43	38	40	41	38	35	37	39	42	47	34	36	38	39	40	38	....	38.2
Halleck	Maximum	66	66	62	66	68	62	58	64	60	52	68	68	70	72	70	46	60	70	70	70	68	68	66	60	58	70	58	50	52	58	....	63.2
	Minimum	18	18	20	24	30	26	24	20	18	28	26	22	20	18	18	17	16	20	28	28	30	30	26	22	18	22	20	20	20	22	....	22.3
Imlay	Maximum	62	67	71	66	60	66	60	65	67	66	62	65	60	71	66	57	55	69	68	69	67	66	70	57	55	56	58	59	55	59	....	63.1
	Minimum	22	42	33	47	45	45	42	40	42	40	43	44	25	29	51	27	21	24	34	38	40	42	40	33	30	31	32	31	30	31	....	35.8
Metropolis	Maximum	58	57	62	65	55	58	56	56	57	45	50	58	65	67	65	60	56	64	57	57	60	56	50	48	50	52	57	48	42	53	....	56.1
	Minimum	32	37	32	43	41	32	32	32	31	35	33	32	32	34	49	38	19	37	34	40	38	34	33	33	32	30	28	30	32	33	....	33.9
Potts	Maximum	58	59	64	64	60	58	52	57	58	52	52	57	66	70	64	57	59	67	70	67	59	52	50	46	48	46	50	46	38	42	....	56.3
	Minimum	20	28	26	42	30	29	33	24	32	32	24	26	35	34	42	29	14	25	33	36	39	33	28	32	30	23	26	28	26	31	....	29.7
Rochester	Maximum	59	42	40	50	64	58	55	54	52	46	48	60	64	69	64	55	54	69	66	61	43	41	42	45	48	46	42	45	49	55	....	52.9
	Minimum	24	36	28	29	40	48	34	34	38	32	28	32	43	42	43	19	28	41	51	40	32	31	31	27	30	31	29	28	29	33	....	33.7
Tecoma	Maximum	63	65	65	68	67	67	65	67	66	65	65	70	70	71	72	70	71	70	70	73	72	73	70	71	70	70	70	69	70	70	....	68.8
	Minimum	18	22	20	22	28	20	20	22	18	30	21	20	21	23	23	22	11	23	24	30	22	25	24	27	20	18	22	14	15	17	....	21.5
Wells	Maximum	58	64	66	62	65	60	58	58	57	57	55	58	52	72	68	55	58	58	73	68	68	63	54	52	54	58	54	45	42	53	....	58.8
	Minimum	27	30	25	42	40	23	20	18	22	30	35	30	30	30	45	18	20	21	30	28	25	25	30	33	20	25	18	30	28	32	....	27.7
Winnemucca	Maximum	62	68	72	66	66	64	59	62	54	52	56	65	70	75	63	51	64	75	72	61	50	54	51	57	58	56	50	54	58	66	....	61.0
	Minimum	27	41	37	47	44	38	42	34	37	35	35	29	42	40	38	29	23	34	42	45	39	41	37	32	32	32	33	29	37	37	....	36.3
Truckee Basin.																																	
Fernley	Maximum	63	70	74	72	67	66	66	69	67	56	64	75	75	79	69	64	71	77	77	69	57	56	57	59	62	59	52	54	60	66	....	65.7
	Minimum	18	33	35	48	31	30	40	33	44	40	28	24	42	36	48	33	20	30	39	37	37	34	37	26	30	41	35	32	34	44	....	34.6
Glenbrook	Maximum	50	55	54	52	52	54	53	52	51	50	52	53	54	54	55	55	52	56	57	54	48	45	45	46	47	43	42	42	48	50	....	50.7
	Minimum	24	28	27	26	27	26	25	26	26	28	26	27	27	28	27	26	27	28	27	30	29	28	30	25	22	26	30	30	28	30	....	27.1
Lewers Ranch	Maximum	51	50	49	54	60	66	68	61	63	52	59	69	66	76	57	56	68	79	75	65	47	50	52	59	60	58	54	46	62	66	....	59.9
	Minimum	27	26	27	32	37	37	37	36	41	36	27	28	42	37	41	28	27	34	47	42	32	31	36	24	27	30	35	32	26	38	....	33.3
Reno	Maximum	64	69	68	59	60	62	60	63	57	53	59	67	67	75	60	54	70	77	75	63	51	53	52	57	60	52	53	48	59	63	....	61.0
	Minimum	27	38	35	43	38	36	42	38	44	38	30	31	47	40	42	33	27	37	46	47	34	36	36	28	30	35	38	34	33	44	....	36.9
Cathedral Park, Cal.	Maximum	61	68	67	51	56	65	61	55	58	56	58	55	61	68	65	65	55	63	69	64	68	61	65	67	65	63	64	65	59	61	....	62.0
	Minimum	30	31	31	39	38	35	33	34	36	31	32	30	33	36	35	26	30	33	30	32	30	35	29	30	31	30	32	30	30	31	....	32.1
Tahoe, Cal.	Maximum	48	51	52	43	45	46	46	45	44	40	45	49	53	51	47	40	52	63	44	66	44	43	39	40	41	45	45	40	45	52	....	46.8
	Minimum	21	30	27	38	29	30	28	29	34	30	19	22	29	29	35	22	28	33	34	33	26	25	25	18	22	25	26	27	20	22	....	27.2
Carson Basin.																																	
Fallon	Maximum	66	70	72	67	68	67	65	67	67	61	62	72	71	78	72	55	66	76	77	70	57	59	58	58	60	60	55	55	60	62	....	65.1
	Minimum	24	42	35	47	36	32	42	34	44	40	30	29	40	38	47	35	24	34	42	42	42	38	32	28	31	37	36	34	36	41	....	36.4
Gardnerville d	Maximum	63	69	69	69	....	64	61	62	61	58	59	....	71	72	68	62	67	75	74	70	55	54	57	55	....	....	59	56	55	60	....	63.3
	Minimum	22	36	28	49	....	34	32	34	45	39	48	....	28	40	47	32	23	32	40	50	34	32	37	27	....	....	29	44	29	41	....	35.5
Lahontan§§	Maximum	66	71	74	64	67	68	65	68	66	60	63	74	76	79	68	56	69	73	78	70	49	58	57	59	62	61	54	54	62	64	....	65.2
	Minimum	40	42	49	40	40	42	45	49	41	35	36	51	47	50	34	30	42	44	46	40	36	37	31	38	41	38	37	36	39	43	....	40.6
Walker Basin.																																	
Mina	Maximum	65	70	75	70	70	69	68	66	69	66	63	71	78	80	78	66	68	78	78	77	69	54	59	59	59	60	60	55	49	48	....	66.6
	Minimum	29	44	36	47	39	41	39	38	45	37	36	28	37	42	49	40	24	32	41	49	39	38	32	36	37	29	31	32	34	36	....	37.2
Thorne	Maximum	....	....	....	....	....	....	....	....	....	62	60	83	79	76	70	58	65	76	80	76	64	58	54	55	60	60	60	60	55	52	....	64.9
	Minimum	....	....	....	....	....	....	....	....	....	38	34	34	41	40	41	38	25	35	44	45	40	38	36	35	35	40	38	42	39	40	....	38.0
Yerington	Maximum	61	69	71	67	64	66	63	65	65	60	61	70	72	76	71	59	64	75	77	69	59	56	55	54	56	57	55	51	57	60	....	63.5
	Minimum	23	36	30	47	35	31	32	35	47	40	27	29	46	37	52	35	24	31	40	43	38	36	35	28	29	35	40	37	34	42	....	35.8
Bridgeport, Cal.	Maximum	42	54	56	54	52	53	53	55	57	47	54	64	62	66	55	52	62	70	66	62	60	48	50	50	52	49	49	43	41	44	....	54.2
	Minimum	17	32	23	37	32	27	26	28	34	30	21	23	32	30	37	25	18	25	30	31	34	29	28	20	23	21	29	25	25	33	....	27.5
Colorado Basin.																																	
Las Vegas	Maximum	79	83	84	86	82	82	83	83	81	81	79	83	89	93	91	78	77	85	102	91	80	62	71	78	77	76	80	69	61	64	....	80.3
	Minimum	38	48	48	50	57	50	50	46	41	58	49	45	49	50	58	56	49	44	44	45	60	44	36	37	37	38	38	39	45	42	....	46.3
Logan	Maximum	80	86	89	89	82	81	82	81	80	82	78	84	90	95	91	85	78	86	93	94	85	76	71	78	79	78	79	71	66	65	....	81.8
	Minimum	39	45	47	51	52	50	54	50	48	51	44	46	47	52	53	57	43	45	50	55	55	49	38	43	51	46	46	51	47	44	....	48.3
Minor Basins.																																	
Cherry Creek	Maximum	59	60	63	68	56	58	52	56	56	55	49	58	67	70	64	49	53	65	73	70	65	58	51	45	47	53	49	39	35	43	....	56.2
	Minimum	28	30	40	42	39	31	35	30	31	36	33	28	33	39	49	28	22	30	36	44	39	37	30	33	34	32	33	28	31	33	....	33.8
Columbia	Maximum	61	69	72	70	65	65	62	61	67	60	61	69	75	78	72	58	65	74	78	74	65	47	51	56	57	58	58	54	43	48	....	63.1
	Minimum	26	41	36	45	36	40	37	31	37	37	29	30	37	42	44	33	24	37	44	45	46	33	30	34	33	29	31	35	30	32	....	35.5
Gerlach	Maximum	56	68	68	66	68	64	68	65	63	56	60	65	71	68	64	56	67	76	78	75	62	56	55	51	58	57	54	52	61	66	....	63.1
	Minimum	29	35	34	36	39	42	36	34	45	40	31	30	43	47	44	30	25	37	44	43	42	33	39	30	34	38	34	31	37	43	....	36.8
Geyser	Maximum	69	69	60	68	71	70	74	70	71	65	60	68	70	68	65	68	65	70	73	70	60	59	58	58	59	58	58	50	58	58	....	64.7
	Minimum	12	10	5	14	18	20	20	14	14	18	10	14	18	18	12	10	12	14	10	20	9	12	10	11	10	14	18	20	14	10	....	13.8
Jean	Maximum	76	75	78	71	70	68	69	73	75	79	82	82	81	89	90	90	87	83	71	60	59	58	59	60	61	59	57	57	60	71	....	71.7
	Minimum	50	52	57	49	49	47	45	48	53	56	56	50	53	60	60	60	57	51	43	40	37	37	38	39	39	41	41	40	43	42	....	47.8
Leeland	Maximum	75	89	85	84	87	88	86	87	86	88	87	85	82	85	87	87	82	85	82	88	81	66	78	74	78	75	72	72	57	66	....	80.8
	Minimum	36	34	42	52	46	49	42	49	45	44	48	48	43	51	42	54	41	44	50	52	61	43	37	41	52	42	45	49	43	39	....	45.8
Lida	Maximum	59	66	66	63	60	61	60	61	60	60	60	65	71	72	68	56	64	71	71	69	62	46	44	49	54	54	54	49	46	43	....	59.5
	Minimum	21	35	33	41	39	40	40	36	35	34	30	35	34	45	48	33	31	36	38	45	28	31	26	28	35	30	28	32	28	31	....	34.2
McDermit	Maximum	61	65	70	67	62	63	58	59	54	53	51	60	65	72	63	50	62	70	69	59	48	57	49	53	55	56	48	46	57	62	....	58.8
	Minimum	29	37	34	43	38	36	36	33	38	37	35	29	38	38	46	24	24	37	44	37	35	32	33	28	25	29	31	26	33	38	....	34.1
McGill	Maximum	60	60	69	69	67	57	55	57	58	48	52	64	69	74	68	58	58	69	66	72	64	57	54	50	48	53	51	46	39	36	....	58.4
	Minimum	28	35	32	49	38	33	33	29	31	33	33	32	35	39	45	30	25	31	31	39	39	37	30	38	33	27	32	30	31	33	....	33.7
Millett	Maximum	65	67	73	71	62	64	61	64	58	54	57	70	74	77	69	54	63	72	63	78	71	67	55	57	52	55	55	54	50	43	....	62.5
	Minimum	20	40	27	43	31	30	38	25	32	36	25	35	33	35	40	32	18	25	18	33	43	43	32	35	34	34	22	33	29	29	....	31.7
Oasis Ranch	Maximum	63	72	74	74	72	71	65	65	73	65	65	76	78	80	73	70	77	78	80	81	75	67	61	62	59	61	62	56	49	47	....	68.4
	Minimum	37	39	30	41	36	37	35	30	38	30	27	29	33	38	43	33	30	33	38	43	43	34	34	33	49	29	28	30	34	35	....	35.2
Pahrump	Maximum	60	80	83	80	77	75	77	75	76	77	77	83	84	82	88	75	71	....	....	84	76	64	62	68	65	74	73	62	65	53	....	73.8
	Minimum	45	49	50	57	55	43	41	43	45	47	44	49	41	44	43	41	45	....	....	61	45	41	40	39	36	52	39	48	44	41	....	45.3
Rebel Creek	Maximum	60	66	70	68	62	63	63	62	57	57	53	63	61	71	70	50	62	72	70	65	49	58	49	58	57	55	50	54	60	67	....	60.7
	Minimum	28	38	38	47	40	34	38	35	37	37	36	30	50	38	47	25	25	39	40	38	36	35	38	29	30	35	34	29	30	38	....	35.8
Rhyolite	Maximum	65	73	76	74	73	71	72	71	72	70	74	75	78	80	82	77	78	80	84	85	78	56	58	59	59	60	65	65	50	53	....	70.4
	Minimum	37	49	48	53	48	49	49	46	46	45	44	45	47	48	50	41	41	40	42	54	54	34	36	41	41	43	46	41	37	34	....	44.3
Sand Pass	Maximum	54	69	70	69	66	69	65	69	58	60	62	72	72	78	66	55	69	78	80	71	54	59	56	58	60	58	52	53	64	68	....	64.4
	Minimum	30	36	34	38	43	37	35	36	43	36	31	30	49	41	36	27	31	38	48	43	36	34	36	29	35	37	34	35	42	42	....	36.7
Searchlight	Maximum	71	75	80	79	75	73	73	73	76	73	69	75	82	87	83	74	66	77	85	85	75	62	58	67	67	68	70	62	50	52	....	72.1
	Minimum	43	49	51	57	55	48	49	59	50	49	47	52	54	59	60	52	40	50	60	59	57	36	36	45	46	42	45	40	38	42	....	49.1
Sharp	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	68	52	57	68	74	70	70	61	54	61	56	58	57	55	43	48	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	44	32	29	36	42	47	45	30	29	32	30	29	28	33	31	31	....	......
Tonopah	Maximum	57	62	66	66	61	59	55	57	60	52	54	64	71	73	68	45	60	71	73	67	48	42	46	49	50	51	51	47	44	42	....	57.0
	Minimum	32	44	48	49	45	42	36	40	45	34	30	36	50	48	40	31	27	43	53	46	30	27	29	33	33	35	32	31	31	33	....	37.8

a, b, c, etc., indicates respectively 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Total Precipitation, Inches, April, 1914.



COMPARATIVE DATA FOR APRIL.

Year.	Temperature.			Average precipitation.	Number of days				Prevailing wind.
	Mean.	Highest.	Lowest.		With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	53.5	100	16	0.45	2	15	10	5	sw
1890	49.0	96	8	0.72	5	16	9	5	s
1891	48.3	88	5	1.51	5	7	16	7	s
1892	44.3	84	6	0.62	4	8	16	6	w
1893	42.3	78	0	1.14	6	8	12	10	sw
1894	47.6	90	10	0.59	4	14	10	6	sw
1895	48.2	95	1	0.42	2	16	7	7	w
1896	41.7	89	0	1.00	5	9	7	14	sw
1897	47.3	91	9	0.37	2	20	10	0	sw
1898	51.1	103	12	0.71	2	17	7	6	w
1899	47.9	87	12	0.37	2	15	8	7	w
1900	43.8	82	10	1.98	7	6	7	17	w
1901	45.3	98	− 2	0.59	3	15	6	9	sw
1902	45.8	84	14	0.75	3	11	9	10	sw
1903	45.2	101	1	0.47	2	17	6	7	sw
1904	45.4	97	10	0.66	3	15	7	8	sw
1905	47.0	85	10	0.84	4	14	7	9	sw
1906	47.6	90	9	1.30	5	13	7	10	w
1907	50.1	94	12	0.58	3	14	9	7	w
1908	50.1	91	4	0.33	2	18	7	5	w
1909	47.8	93	10	0.18	1	18	7	5	w
1910	51.8	95	8	0.24	2	18	8	4	sw
1911	45.1	92	5	0.55	3	16	8	6	w
1912	43.4	84	7	1.27	6	10	10	10	w
1913	47.2	93	5	0.64	3	14	8	8	w
1914	49.2	102	5	1.23	6	9	10	11	w
Entire period	47.2	103	− 2	0.75	4	13	9	8	w

CORRECTIONS.

January, 1914.—Gold Creek, total snowfall, 24.0 inches. Rhyolite, maximum temperature 50 on 10th; mean maximum, 53.1; mean temperature, 43.6. Glenbrook, total snowfall, 128.0 inches. Metropolis, date of highest temperature, 1st. Battle Mountain, date of lowest temperature, 8th.

March, 1914.—Bridgeport, Cal., mean temperature, 25.4. Leeland, Nev., mean minimum temperature, 39.9; mean temperature, 58.0. Cherry Creek, date of highest temperature, 14th.

LATE REPORTS.

February.—Clover Valley, Elko County, mean temperature, 28.6, highest, 57 on the 28th; lowest, 0 on the 6th; total precipitation, 1.37 inches; greatest in 24 hours, 0.40 inch; number of rainy days, 9; clear, 12; partly cloudy, 9; cloudy, 7.

March.—Clover Valley, Elko County, mean temperature, 39.6; highest, 64 on the 17th; lowest, 13 on the 3d; total precipitation, 0.72 inch; greatest in 24 hours, 0.30 inch; number of rainy days, 7; clear, 14; partly cloudy, 8; cloudy, 9. Quinn River Ranch, Humboldt County, mean temperature, 44.0; highest, 75 on the 17th; lowest, 20 on the 3d and other dates; total precipitation, 0; prevailing wind direction, west; number of clear days, 14; partly cloudy, 3; cloudy, 14.

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

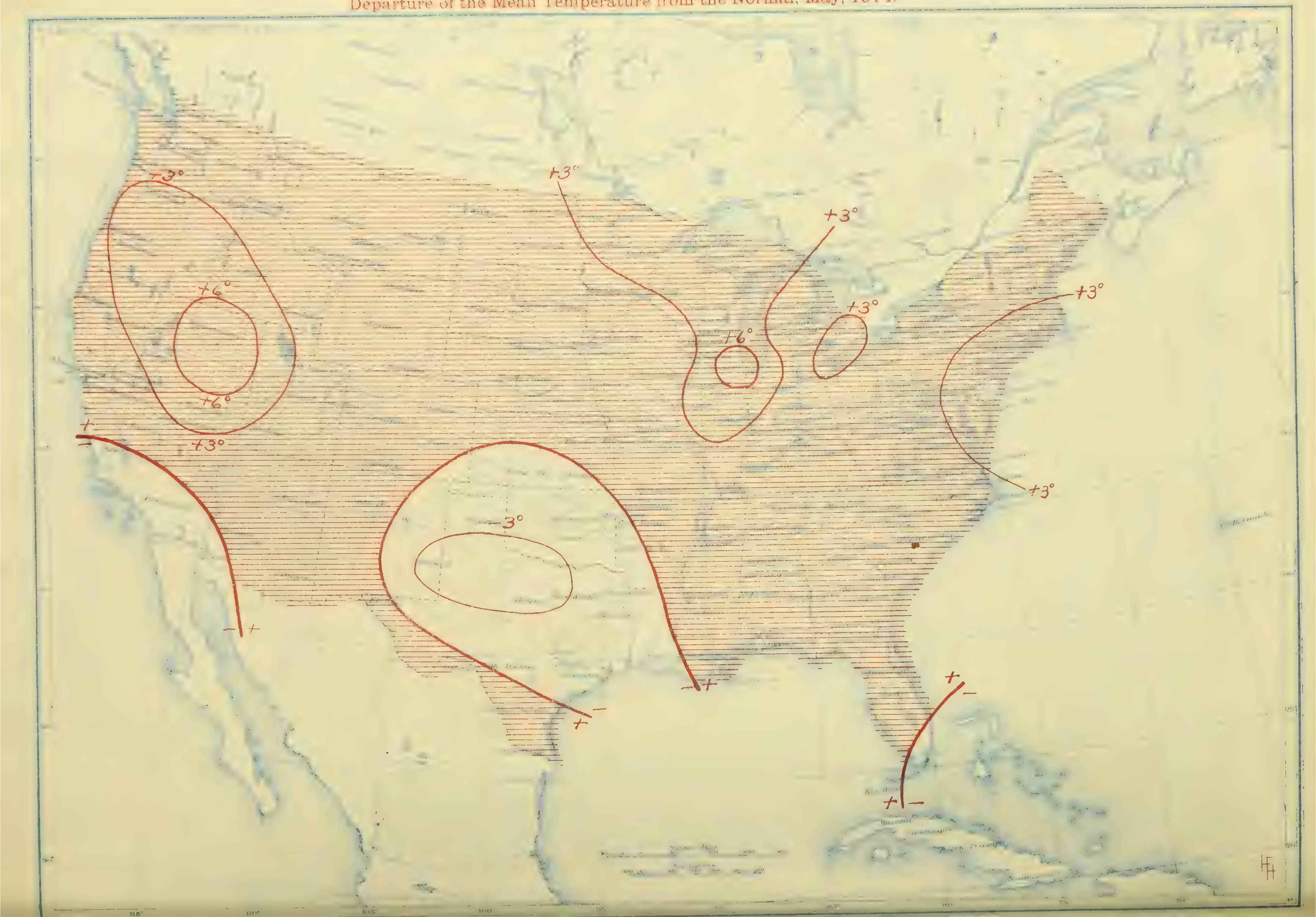
NEVADA SECTION

MAY, 1914

BY
HARVEY S. COLE
SECTION DIRECTOR

LOS ANGELES, CAL.
WEATHER BUREAU OFFICE
JUNE 18, 1914.

Departure of the Mean Temperature from the Normal, May, 1914.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HARVEY S. COLE, Section Director.

VOL. XXIX. RENO, NEVADA, MAY, 1914. No. 5.

GENERAL SUMMARY.

Mean temperatures for May were above normal, except in the extreme northeast portion of the State. No unusually low temperatures were reported and the only high temperature was 111 degrees, at Leeland, on the 21st. Highest temperatures at nearly all places occurred from the 20th to the 22d or from the 29th to the 31st. Lowest temperatures occurred at most places from the 1st to the 5th. No killing frost occurred, except in the extreme northeast and east. Thunderstorms were general, except in the extreme south, from the 9th to the 10th and from the 14th to the 25th. There were only four stations that reported more than the normal amount of precipitation; these were located in the northern and northeastern portions of the the State. Some damage was done by a heavy hailstorm at Virginia City on the 30th. There was considerable complaint of high winds on the 7th, 22d, 30th and 31st. The high temperatures have melted nearly all the snow below 8,000 feet, but the greater portion of it remains above that level. Nearly all streams were high during the month, but were beginning to fall toward the last. In the Truckee Basin temperatures averaged over four degrees above normal, causing the river to run about 3,200 second-feet during the entire month. The water was not high enough to do any damage, and it is thought that enough of the snow has melted now to prevent a serious flood, which seemed imminent earlier in the season. In the southern counties apricots were ripe, the second crop of alfalfa was nearly ready to cut and wheat harvest was about over.

PRESSURE.

Low pressure from the 7th to the 9th and from the 13th to the 24th was accompanied and followed by showers. Areas of high pressure passing north of Nevada from the 1st to the 3d and following the areas of low pressure caused cool weather. The pressure for the month, as shown by the three Weather Bureau stations, was slightly above normal.

TEMPERATURE.

The monthly mean temperature, as shown by 47 stations in Nevada, was 59.4 degrees. The mean departure from the normal, for the 22 stations having 10 or more years record, was plus 3.5 degrees. Higher monthly means have occurred but two times in the past 26 years. The highest mean reported was 73.8 degrees, at Logan; the lowest, 47.8 degrees at Gold Creek. In most portions of the State they were from 50 degrees to 60 degrees; in the extreme south they were from 60 degrees to 74 degrees. The highest temperature recorded was 111 degrees at Leeland, on the 21st; the lowest recorded was 10 degrees, at Geyser, on the 2d. Neither was unusual.

HUMIDITY.

The mean relative humidity, for observations at 5 a. m. and 5 p. m., was 52 per cent at Reno, 38 per cent at Tonopah and 51 per cent at Winnemucca. These were slightly above normal.

PRECIPITATION.

The average precipitation for May, for 54 stations in Nevada, was 0.53 inch. This was 0.43 inch less than normal for the 22 stations having ten or more years record, and was 0.86 inch less than that for May last year. Smaller amounts have occurred a number of times. Stations in the Columbia Basin were the most favored of any in the State. The average for three stations in the basin was 1.58 inches. Jack Creek reported 2.12 inches, the greatest local amount in the State. The average for 20 stations in the Humboldt Basin was 0.80 inch. The average for 10 stations in the Truckee Basin was 0.50 inch; for three stations in the Carson Basin, 0.18 inch; for six stations in the Walker Basin, 0.28 inch; for 18 stations in minor basins, 0.34 inch. There were a few stations in the Columbia and Humboldt basins reporting more than normal. In southern counties zero or only a trace was reported at a number of stations.

WIND.

The average wind velocity at Reno was 7.1 miles per hour; at Tonopah, 8.6 miles; at Winnemucca, 6.0 miles; at Lahontan, 9.8 miles. These velocities are somewhat less than normal for May. In the southeastern portion of the State the prevailing direction of the wind was from the south; in other portions from the southwest or west.

SUNSHINE AND CLOUDINESS.

The average number of cloudy days for the State was 5; the number of days with 0.01 inch or more of precipitation was 3. Both were less than normal.

MISCELLANEOUS PHENOMENA.

Hail.—Gardnerville, 21st; Gold Creek, 24th; Jack Creek, 18th; McDermit, 21st; Reno, 21st, 22d; Rochester 23d, 24th; Shafter, 15th; Yerington, 14th, 22d.

Killing frost.—Owyhee, 5th, 11th. Temperatures below freezing are so frequent in May at Elko, Geyser, Shafter, Tecoma and Wells that frosts are not recorded.

Thunderstorms.—(Dates and number of stations reporting.) 1st, 1; 3d, 1; 9th, 2; 10th, 1; 13th, 2; 14th, 8; 15th, 10; 16th, 2; 17th, 2; 18th, 2; 19th, 4; 20th, 6; 21st, 5; 22d, 3; 23d, 3; 24th, 2; 25th, 2; 30th, 2; 31st, 5.

COMPARATIVE DATA FOR MAY.

Year.	Temperature.			Average precipitation.	Number of days				Prevailing wind.
	Mean.	Highest.	Lowest.		With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	57.8	106	20	1.44	5	13	8	10	sw
1890	59.9	105	23	1.05	4	18	7	6	s
1891	54.7	95	21	2.43	10	10	10	11	w
1892	53.8	100	13	1.17	6	12	10	9	w
1893	52.6	98	18	0.41	3	16	7	8	sw
1894	56.3	95	16	0.80	4	15	8	8	sw
1895	56.1	105	18	0.55	4	13	9	9	sw
1896	48.2	108	5	2.03	6	9	10	12	w
1897	60.0	99	12	0.59	4	15	10	6	s
1898	51.8	93	20	1.84	7	11	9	11	w
1899	49.7	96	10	0.68	4	10	10	11	sw
1900	56.6	101	20	0.77	3	16	5	10	w
1901	56.2	94	19	0.86	4	13	8	10	sw
1902	53.7	102	16	0.37	3	15	8	8	sw
1903	54.1	106	15	0.70	3	16	7	8	sw
1904	54.0	98	10	0.84	3	18	6	7	n
1905	50.4	94	17	1.23	5	12	8	11	sw
1906	53.1	98	14	1.38	5	13	8	10	w
1907	51.8	99	13	0.56	3	13	10	8	w
1908	49.9	99	7	1.01	5	12	10	9	w
1909	52.8	100	10	0.18	2	15	10	6	w
1910	58.9	114	11	0.21	1	21	6	4	w
1911	50.6	97	16	0.45	2	13	10	8	sw
1912	54.0	101	20	0.46	3	15	10	6	w
1913	57.1	100	5	1.28	4	15	9	7	w
1914	59.4	111	10	0.53	3	15	11	5	w
Entire period	54.4	114	5	0.94	4	14	9	8	w

CORRECTIONS.

March, 1914.—Hylton, precipitation on 27th, 0.95; total precipitation 1.15.

April, 1914.—Lovelocks, 6 clear days; Glenbrook, number of days with precipitation, 4.

Climatological data for May, 1914.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days				Prevailing direction of the wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted.)	With precipitation (0.01 inch or more.)	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek [d]	Elko	6,600	1	47.8	....	72	22	21	5	39	1	0.98	....	0.25	0.1	10	8	8	11	n	Forest Supervisor.
Jack Creek	do	6,300	1	....	....	....	....	....	....	....	1	2.12	....	0.45	0	10	16	14	1	w	C. E. Butler.
Owyhee	do	5,400	3	59.2	....	92	20	23	5	58	3	1.65	....	0.62	0	11	10	17	4	nw	Frank Weber.
San Jacinto	do	....	9	....	....	....	....	....	....	....	9	....	....	....	....	....	....	....	....	....	F. W. McEntire.
Humboldt Basin.																					
Arthur	Elko	6,500	....	....	....	....	....	....	....	....	4	1.05	....	0.30	0	4	24	1	6	....	Isaac Woodhouse.
Battle Mountain	Lander	4,843	43	62.8[b]	+6.2	92[b]	31	30[b]	2	45[b]	45	0.25	−0.55	0.20	0	2	8	5	18	....	Southern Pacific Co.
Beowawe	Eureka	4,905	43	61.6	+4.1	83	31	33	5	40	45	1.50	+0.86	0.70	0	3	7	16	8	....	Do.
Carlin	Elko	5,232	43	60.3	+7.1	103	30	28	†5	64	43	1.16	+0.54	0.78	0	2	8	13	10	w	Western Pacific Co.
Clover Valley	do	6,000	13	....	....	....	....	....	....	....	21	....	....	....	....	....	....	....	....	....	I. F. Wiseman.
Dry Farm	do	5,600	2	54.4	....	82	30	29	5	43	5	2.00	....	0.57	0	7	6	25	0	sw	Walfrid Sohlman.
Elko	Elko	5,432	43	52.6	−1.0	94	31	19	†3	66	44	0.66	−0.10	0.36	0	3	23	7	1	sw	Western Pacific Co.
Eureka	Eureka	6,500	16	55.4	+4.3	83	30	23	1	41	18	1.56	+0.08	0.97	0	6	8	12	11	s	Clay Simms.
Golconda	Humboldt	4,697	35	61.0	+5.6	87	29	35	†1	33	37	0.25	−0.51	0.11	0	3	21	6	4	....	Southern Pacific Co.
Halleck	Elko	5,631	21	58.5	+6.3	86	7	37	†1	45	45	0.61	−0.38	0.23	0	4	4	20	7	sw	Do.
Hylton	do	7,081	....	....	....	....	....	....	....	....	4	1.52	....	....	0	5	16	14	1	....	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	1	57.9	+2.7	93	31	33	†27	49	1	0.03	−0.58	0.01	0	3	6	6	19	....	Southern Pacific Co.
Lovelocks	do	3,997	20	60.1[d]	+0.7	85[d]	21	31[d]	2	48	18	0.39[b]	+0.04	0.16	0	6	17[b]	4[b]	8[b]	n	High School.
Metropolis	Elko	....	1	56.0	....	85	30	28	5	45	5	0.54	....	0.18	0	5	6	11	14	sw	O. M. Lloyd.
North Fork	do	6,500	....	....	....	....	....	....	....	....	5	1.34	....	0.38	0	10	13	9	9	w	Chas. Pratt.
Potts	Nye	5,040	21	53.2	+2.2	86	30	27	1	48	23	0.19	−0.92	0.07	0	5	4	9	18	n	Miss Maud Potts.
Rochester	Humboldt	7,500	1	57.0	....	82	30	35	24	36	1	1.10	....	0.90	0	2	29	0	2	w	E. B. Mills.
Rose Creek	do	6,350	....	....	....	....	....	....	....	....	4	1.38	....	0.40	0	7	13	13	5	n	Henry Salvai.
Shafter	Elko	5,583	1	52.0	....	84	30	21	5	48	1	0.69	....	0.40	0	5	19	11	1	n	Geo. Kernan.
Tecoma	do	4,812	36	52.9	−1.1	89	31	12	5	62	37	0.09	−0.57	0.04	0	3	10	18	3	w	Southern Pacific Co.
Wells	do	5,631	42	53.5	+1.1	88	30	23	5	46	45	0.00	−0.93	0.00	0	0	16	14	1	....	Do.
Winnemucca	Humboldt	4,432	35	59.4	+5.0	92	30	34	5	41	45	0.48	−0.55	0.24	0	4	15	8	8	ne	U. S. Weather Bureau.
Truckee Basin.																					
Fernley	Lyon	4,200	45	61.3	+3.9	95	30	35	12	53	45	0.05	−0.47	0.03	0	2	16	13	2	w	Mrs. G. A. Steele.
Glenbrook	Douglas	6,240	5	....	....	....	....	....	....	....	5	....	....	....	....	....	....	....	....	....	C. C. Henningsen.
Lewers Ranch	Washoe	5,500	26	56.3	+3.3	84	†29	32	†5	42	27	0.18	−1.42	....	0	2	3	21	7	....	Ross Lewers.
Marlette Lake	do	7,900	....	....	....	....	....	....	....	....	1	0.43	....	0.20	1.0	3	20	2	9	w	V. & G. H. Water Co.
Reno	do	4,532	27	58.8	+5.2	88	30	37	26	44	27	0.11	−0.68	0.11	0	2	16	9	6	w	U. S. Weather Bureau.
Bijou, Cal.	Eldorado	6,230	....	....	....	....	....	....	....	....	5	0.30	....	0.12	0	4	17	4	10	n	Chas. Young.
Cathedral Park, Cal.	do	6,400	2	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	Carl Fluegge.
Deer Park, Cal.	Placer	6,500	....	....	....	....	....	....	....	....	5	1.90	....	0.65	0	4	2	24	5	....	Miss Katherine Chandler
Hobart Mills, Cal.	Nevada	5,900	....	....	....	....	....	....	....	....	5	0.33	....	0.25	0	3	19	10	2	s	S. E. Patterson.
McKinneys, Cal.	Placer	6,225	5	....	....	....	....	....	....	....	5	0.77	....	0.32	0	8	7	15	9	s	Fred Jensen.
Tahoe, Cal.	do	6,240	6	46.2	....	73	30	25	13	38	6	0.55	....	0.33	0	3	25	3	3	w	Robert Watson.
Tallac, Cal.	Eldorado	6,230	....	....	....	....	....	....	....	....	5	0.33	....	0.20	0	3	7	21	3	nw	J. H. Pomin.
Carson Basin.																					
Fallon	Churchill	3,965	20	....	....	....	....	....	....	....	20	....	....	....	....	....	....	....	....	....	U.S. Experiment Station.
Gardnerville [e]	Douglas	4,830	23	55.6	+2.1	80	29	33	†10	43	24	T.	−0.67	T.	0	0	16	6	4	w	Forest Service.
Lahontan	Churchill	4,200	2	65.4	....	95	30	45	†1	36	4	0.10	....	0.03	0	4	18	13	0	w	U.S. Reclamat'n Service.
Markleeville, Cal.	Alpine	5,525	....	....	....	....	....	....	....	....	5	0.45	....	0.30	0	4	15	14	2	s	Mrs. Mary Thornburg.
Woodfords, Cal.	do	5,634	....	....	....	....	....	....	....	....	5	....	....	....	....	....	....	....	....	....	G. P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,600	7	....	....	....	....	....	....	....	18	....	....	....	....	....	....	....	....	....	Southern Pacific Co.
Smith	Lyon	4,000	....	....	....	....	....	....	....	....	6	0.09	....	0.05	0	2	24	5	2	sw	C. M. Carter.
Thorne §	Mineral	4,200	1	62.0	+2.4	87	†7	36	†1	41	1	0.00	−0.37	0.00	0	0	28	1	2	w	Southern Pacific Co.
Yerington	Lyon	4,375	5	59.0	....	85	30	33	10	42	5	0.17	....	0.12	0	2	16	11	4	sw	High School.
Bridgeport, Cal.	Mono	6,500	1	49.7	....	82	29	26	†2	47	3	0.42	....	0.30	0	4	25	3	3	w	A. F. Scott.
Lundy, Cal.	do	8,000	....	....	....	....	....	....	....	....	5	0.90	....	0.90	0	2	15	5	11	....	W. H. Smith.
Shields Ranch, Cal.	do	5,300	....	....	....	....	....	....	....	....	5	0.09	....	0.09	0	1	17	9	5	....	Frank W. Chichester.
Colorado Basin.																					
Caliente	Lincoln	4,407	4	54.8	....	80	†24	30	†4	38	4	0.01	....	0.01	0	1	17	0	14	s	Salt Lake Route.
Indian Springs ††	Clark	3,136	1	69.0	....	97	29	39	1	44	1	0.00	....	0.00	0	0	29	2	0	se	Ira McFarland.
Lake Valley	Lincoln	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	Lake View Farming Co.
Las Vegas	Clark	2,033	12	72.4	+5.5	103	29	38	†1	50	12	0.00	−0.06	0.00	0	0	20	8	3	s	C. P. Squires.
Logan §	do	1,355	7	73.8	+2.4	106	29	43	1	45	15	0.00	−0.10	0.00	0	0	24	4	3	s	Orin W. Jarvis.
Minor Basins.																					
Cherry Creek	White Pine	6,450	6	55.0	....	83	30	29	1	38	6	1.16	....	0.31	0	9	15	13	3	w	J. H. Leishman.
Columbia	Esmeralda	5,750	7	59.2	....	84	30	33	1	37	9	0.45	....	0.29	0	5	22	8	1	se	A. Booth.
Gerlach	Washoe	3,931	2	59.8	....	93	30	38	†3	47	2	0.63	....	0.21	0	6	3	23	5	w	Western Pacific Co.
Geyser	Lincoln	6,055	10	49.6	....	84	†11	10	2	66	10	0.10	....	0.10	0	1	18	13	0	s	Mrs. J. F. Wambolt.
Jean	Clark	2,074	6	73.1	....	98	†24	43	1	34	7	0.00	....	0.00	0	0	20	11	0	sw	Salt Lake Route.
Leeland	Nye	2,500	1	72.4	....	111	21	41	1	49	1	0.00	....	0.00	0	0	16	11	4	s	Agent T. & T. R. R. Co.
Lida	Esmeralda	6,037	2	56.8	....	80	†29	32	1	34	2	T.	....	T.	0	0	22	7	2	se	L. F. Detwiler.
McDermit	Humboldt	4,700	24	57.2	+3.6	89	30	28	4	39	24	0.55	−1.07	0.25	0	7	17	13	1	sw	F. M. Bullock.
McGill §	White Pine	6,338	4	57.4	+6.4	84	†29	31	1	40	4	0.37	−0.97	0.32	0	3	20	5	6	s	R. E. Middagh.
Millett	Nye	6,002	6	55.8	....	85	29	30	†1	45	7	0.35	....	0.15	0	5	14	9	8	....	Fred T. Jones.
Oasis Ranch	Esmeralda	5,106	2	61.0	....	89	29	33	1	45	2	0.67	....	0.38	0	2	7	22	2	s	A. S. Patterson.
Pahrump	Nye	2,668	1	67.2	....	99	29	34	1	49	1	T.	....	T.	0	0	26	4	1	s	F. A. Buol.
Quinn River Ranch	Humboldt	4,850	12	....	....	....	....	....	....	....	13	....	....	....	....	....	....	....	....	....	F. M. Payne.
Rebel Creek	do	....	2	58.7	....	91	30	30	5	44	3	0.68	....	0.45	0	4	17	7	7	sw	Mrs. E. J. Hyatt.
Rhyolite [a]	Nye	3,680	1	67.2	....	94	29	41	†1	37	1	0.15	....	0.15	0	1	2	27	1	nw	Chas. Kirchen.
Sand Pass	Washoe	4,198	1	62.0	....	93	30	37	26	47	1	0.64	....	0.48	0	3	14	12	5	w	Western Pacific Co.
Searchlight	Clark	3,445	1	69.2	....	94	29	41	1	30	1	T.	....	T.	0	0	16	10	5	s	C. L. Aug. Mahn.
Sharp	Nye	....	1	57.8	....	84	†3	31	1	37	1	T.	....	T.	0	0	16	11	4	w	F. A. Seers.
Tonopah	do	6,090	9	58.8	....	81	29	34	1	30	9	0.28	....	0.24	0	3	8	20	3	se	U. S. Weather Bureau.
For the State	....	....	....	59.4	+3.5	111	21	10	2	66	....	0.53	−0.43	0.97	T.	3	15	11	5	w	

Estimated and incomplete data not considered in means.

All other data are considered in determining section means, but the mean departures from the normal temperature and precipitation are based on records from stations that have ten or more years of observations, except when marked § which indicates that data from nearby stations were used in determining normals.

Reference letters [a], [b], [c], appearing in the table indicate number of days missing; for example, [b] represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for May, 1914.

Stations.	Day of month.																															Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia Basin.																																
Gold Creek	.10								.08						.01	.25	.02	.02		.15	.02			.13	.20							0.98
Jack Creek	.05								T.	.10					*	*	*	.95	T		T	.05	.08	.44	.15							1.82
Owyhee									T.					T	.62	.10	.07	.02	.14	.01	.02	.02	.23	.39	.03				T			1.65
San Jacinto																																
Humboldt Basin.																																
Arthur															.30		.20	T.	.25					.30								1.05
Battle Mountain‖‖									T.						.20			T.		T				.05								0.25
Beowawe‖									.25						.70										.55							1.50
Carlin									T.	T.					.78									.38					T			1.16
Clover Valley																																
Dry Farm	.03									.56					.29				.17	.03				.57	.35							2.00
Elko																.36				.10				.20								0.66
Eureka									.25	.09					.18	.05	.02		T.					.97								1.56
Golconda															.11					.04			.10									0.25
Halleck										.05					.10									.23	.23							0.61
Hylton									*	.60					.12									*	.80							1.52
Imlay										T.				T.			T.	T.	T.	T.	.01	.01	T.	T.							.01	0.03
Lovelocks											.05			.01	.04						.05		.08	.16								0.39
Metropolis										.15					.12	T.	T.	T.	.03	T.				.18	.06					T.	T	0.54
North Fork	.23								.13						.14	.15		.09	.03		.10		.03	.06	.38							1.34
Potts										.07					.04	T.	T.	T.	T.	.01				.05	.02						T.	0.19
Rochester																							.20	.90								1.10
Rose Creek										.30			.08	.15	.40				.12		.08		.25									1.38
Shafter															.40		.01		.17	.03				T	.08							0.69
Tecoma	.02																	T.	T.					.04	.03							0.09
Wells																																0.00
Winnemucca***					T.					T.			T.	T.	.16					.34	T.		.07	.01								0.48
Truckee Basin.																																
Fernley									T.													.02	T.								.03	0.05
Glenbrook																																
Lewers Ranch													*	.18																		0.18
Marlette Lake																					.05		.18	.20								0.43
Reno ***									T.					T.			T.			T.	.05	.06	T.		T.					T.	T.	0.11
Bijou, Cal									T.				.03	.08							T.		.07		.12							0.30
Cathedral Park, Cal																																
Deer Park, Cal																			.40				.65	.30	.55							1.90
Hobart Mills, Cal																					.03		.05	T.	.25							0.33
McKinneys, Cal.									.02				.02							.03	.05	.02	.26	.05	.32							0.77
Tahoe, Cal									T.														.19	.33							.03	0.55
Taliac, Cal									T.				T.	T.					T.	T.	T.		.05	.08	.20					T.		0.33
Carson Basin.																																
Fallon																																
Gardnerville									T.				T.	T.							T.											T.
Lahontan‖‖									.02					.03						T.		.03									.02	0.10
Markleeville, Cal													.30	.07																.03	.05	0.45
Woodfords, Cal																																
Walker Basin.																																
Mina																																
Smith																							.05	.04							T.	0.09
Thorne																																0.00
Yerington														.12								T.	.05	T.							T.	0.17
Bridgeport, Cal	.30																							.04						.01	.07	0.42
Lundy, Cal					T.								T.										*	.90	T.					T.	T.	0.90
Shields Ranch, Cal														.09											T.					T.	T.	0.09
Colorado Basin.																																
Caliente																									T.	.01						0.01
Indian Springs																																0.00
Lake Valley																																
Las Vegas																																0.00
Logan																																0.00
Minor Basins.																																
Cherry Creek	.07									.20					.04	.02	.22	.02					.12	.16	.31							1.16
Columbia	.10								.01							.02							.03	.29	T.						T.	0.45
Gerlach														.21	.03						.20	.10			.08						.01	0.63
Geyser									T.																			.10				0.10
Jean																																0.00
Leeland																																0.00
Lida														T.		T.								T.	T.						T.	T.
McDermit														T.	.04	T.	.06	.02		.05	T.		.08	.25							.05	0.55
McGill										.32					.05																	0.37
Millett			.15							.05			T.		T.		T.		.05						.05					T.	.05	0.35
Oasis Ranch	.38																						T.		.29							0.67
Pahrump	T.																															T.
Quinn River Ranch																																
Rebel Creek										T.				T.	.12	T.				.05	T.	T.	.45	.06							T.	0.68
Rhyolite	.15																															0.15
Sand Pass																					.07	.48		.09								0.64
Searchlight																															T.	T.
Sharp	T.																														T.	T.
Tonopah***									.03						.01								.24									0.28

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight.

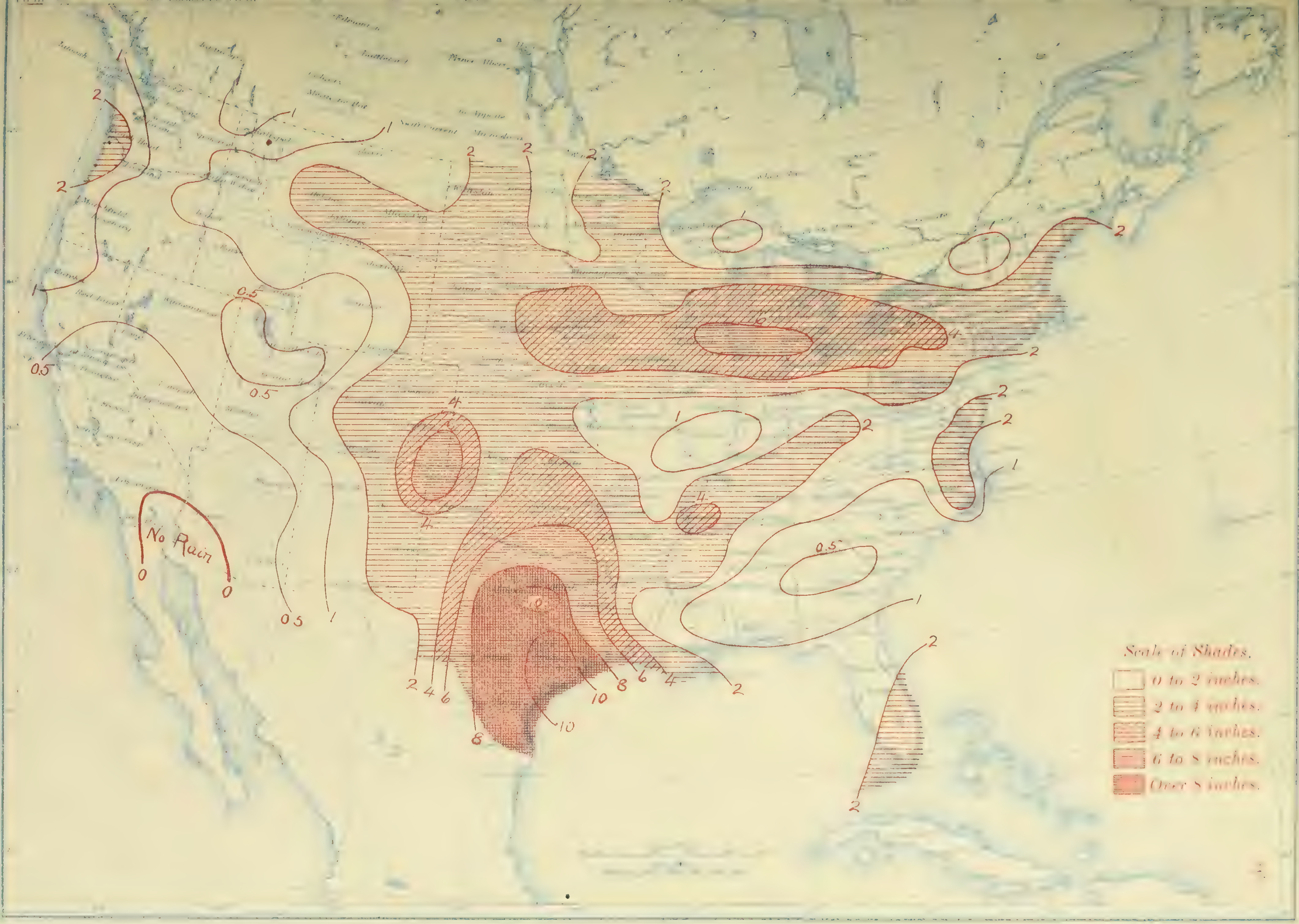
‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

T. Trace, or less than 0.01 inch.

Daily temperatures for May, 1914.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek	Maximum	50	64	62	52	59	63	70	71	65	52	55	61	65	69	60	55	62	65	65	69	70	72	65	55	51	64	67	....	....	....	....	62.3
	Minimum	34	39	45	43	21	32	35	32	33	35	25	28	30	35	38	36	31	35	35	33	36	40	30	34	31	27	28	....	....	....	....	33.4
Owyhee	Maximum	81	77	72	63	77	82	86	83	80	63	75	88	82	83	67	59	84	83	89	92	79	89	72	69	66	90	78	82	88	89	85	79.1
	Minimum	42	30	35	34	23	31	34	36	33	41	27	51	50	56	41	42	38	43	37	41	47	48	37	41	40	32	41	33	42	40	49	39.3
Humboldt Basin.																																	
Battle Mountain §§	Maximum	74	75	76	75	75	80	85	83	82	70	82	80	84	90	78	80	85	80	85	87	83	85	....	85	84	86	84	....	87	90	92	82.1
	Minimum	35	30	38	31	36	36	45	44	42	36	38	42	50	52	39	45	45	45	52	53	45	45	....	43	42	50	43	....	52	50	55	43.4
Beowawe §§	Maximum	60	74	68	63	65	67	69	70	63	57	65	67	74	77	60	62	66	70	76	75	74	80	71	57	62	70	75	73	80	78	83	77.2
	Minimum	34	34	40	39	33	39	40	35	36	39	35	36	37	45	47	39	43	41	42	49	44	44	40	45	41	37	44	41	40	49	50	46.1
Carlin	Maximum	70	86	81	69	80	80	82	85	81	62	80	92	90	86	72	74	81	82	86	84	88	86	84	84	70	90	78	81	82	103	93	82.0
	Minimum	45	30	35	44	28	30	32	35	32	38	30	28	30	40	45	36	42	40	45	44	47	42	40	42	40	34	56	37	40	44	45	38.6
Dry Farm	Maximum	53	67	63	64	65	69	77	73	71	53	60	66	72	75	58	64	65	72	71	74	74	78	70	56	58	66	72	67	80	82	79	68.2
	Minimum	33	42	42	38	29	47	41	48	42	38	36	32	36	43	45	37	41	42	41	43	41	54	47	34	37	32	42	40	37	47	51	40.6
Elko	Maximum	60	63	65	62	72	78	84	86	84	75	74	88	85	75	78	70	75	76	77	79	80	84	80	78	84	75	80	78	82	88	94	77.7
	Minimum	24	25	19	20	19	25	27	25	22	22	26	30	21	25	30	38	28	31	36	32	38	35	28	26	33	24	28	29	28	30	28	27.5
Eureka	Maximum	56	64	71	64	68	73	74	75	73	53	63	71	74	73	65	66	69	71	72	76	78	76	69	60	58	70	76	75	81	83	78	70.2
	Minimum	23	30	37	41	32	36	45	45	45	38	32	35	43	48	47	38	44	41	44	42	44	48	48	35	38	33	40	40	40	53	50	40.5
Golconda	Maximum	68	70	67	70	73	75	70	73	72	71	75	74	77	73	70	75	76	77	78	77	75	70	65	69	64	70	68	80	87	81	80	73.1
	Minimum	35	38	35	43	48	50	51	48	46	42	51	50	48	49	46	50	53	55	53	51	53	51	49	52	48	50	43	56	58	56	57	48.9
Halleck	Maximum	70	72	76	78	77	80	86	81	84	58	82	77	78	76	55	67	71	75	67	74	72	77	67	52	68	70	72	79	80	82	72	73.4
	Minimum	37	37	39	40	42	39	41	40	45	42	49	40	43	46	40	44	42	48	40	43	44	48	49	48	42	40	40	40	52	60	52	43.6
Imlay	Maximum	78	79	77	66	74	75	78	79	72	70	68	65	68	69	68	70	75	80	79	80	82	78	70	72	79	75	78	77	76	92	93	75.5
	Minimum	34	35	39	43	39	35	40	38	34	35	40	38	39	40	45	42	45	48	46	45	46	40	42	44	43	40	33	34	33	43	50	40.3
Lovelocks	Maximum	69	79	79	70	76	83	....	83	77	67	73	78	79	83	75	73	....	83	82	83	85	84	66	71	69	75	79	78	83	....	....	77.1
	Minimum	43	31	43	45	36	36	....	35	48	48	35	39	42	46	48	44	....	46	42	50	52	50	43	48	59	32	32	41	50	....	....	43.1
Metropolis	Maximum	55	67	68	64	56	68	77	77	77	58	57	71	77	80	64	64	70	76	72	80	73	81	77	56	60	72	77	71	84	85	83	70.9
	Minimum	33	35	36	36	28	35	43	44	42	40	31	33	42	45	45	38	36	49	43	41	46	53	40	40	56	34	39	42	39	51	57	41.0
Potts	Maximum	52	62	67	63	65	70	73	73	70	52	63	70	73	73	63	66	70	75	75	76	77	76	67	60	58	70	75	78	84	86	80	69.7
	Minimum	27	32	34	35	32	33	36	35	36	32	29	31	34	36	35	36	40	38	40	45	46	46	33	34	40	40	42	42	36	43	42	36.8
Rochester	Maximum	59	68	69	68	68	68	68	71	69	59	68	68	71	59	69	65	68	70	73	73	75	74	59	52	76	57	68	78	80	82	78	68.7
	Minimum	37	42	48	45	38	41	38	47	48	41	42	45	49	49	49	39	45	47	51	54	50	46	39	35	48	38	40	42	50	60	59	45.2
Shafter	Maximum	59	71	71	60	64	71	77	77	76	60	64	67	68	74	68	65	60	74	70	73	73	80	73	63	62	70	78	76	78	84	83	70.6
	Minimum	29	30	33	45	21	25	30	38	29	36	26	25	33	29	39	32	33	33	40	33	42	39	33	37	27	27	30	42	37	38	41	33.3
Tecoma	Maximum	70	72	74	75	74	75	79	80	81	80	79	80	80	80	78	79	78	79	78	80	80	83	84	83	82	82	81	81	82	87	89	79.5
	Minimum	20	23	30	28	12	18	22	28	27	30	24	22	22	23	30	31	24	28	29	26	30	32	28	29	22	21	25	35	25	32	38	26.3
Wells	Maximum	55	70	70	65	64	68	79	78	73	68	63	68	74	78	77	63	70	74	72	79	77	80	80	72	60	72	75	73	82	88	84	72.6
	Minimum	31	32	35	37	23	28	36	25	34	33	26	38	35	33	40	32	30	38	42	37	45	40	36	34	27	26	33	36	40	43	40	34.4
Winnemucca	Maximum	69	77	75	64	73	76	80	75	70	67	71	76	80	80	66	70	78	79	78	80	80	82	66	64	65	76	77	74	85	92	88	75.3
	Minimum	44	36	42	42	34	41	40	42	42	46	36	40	43	46	46	39	44	47	46	53	51	45	44	46	43	35	40	43	44	52	53	43.4
Truckee Basin.																																	
Fernley	Maximum	70	84	80	75	81	82	80	81	76	64	75	80	81	84	77	78	82	83	84	85	82	76	70	67	67	79	77	80	92	95	89	79.2
	Minimum	38	44	50	41	38	39	39	40	43	43	39	35	37	40	42	37	47	49	50	56	50	50	46	41	45	36	43	48	39	47	54	43.4
Lewers Ranch	Maximum	68	77	74	70	74	71	70	67	63	67	73	76	77	79	66	70	69	75	73	78	78	79	55	63	62	76	70	79	84	84	82	72.5
	Minimum	36	35	42	40	32	38	41	38	39	32	35	37	41	41	45	35	35	38	42	49	47	48	40	40	39	33	45	48	45	46	42	40.1
Reno	Maximum	69	79	75	69	74	78	71	67	64	65	73	76	79	78	69	73	77	79	81	79	81	69	59	57	62	75	70	77	87	88	85	73.7
	Minimum	38	40	47	46	40	41	41	44	42	40	39	42	46	47	46	39	45	42	47	52	52	45	42	42	43	37	46	40	43	51	55	43.9
Tahoe, Cal.	Maximum	50	52	63	62	63	63	62	58	52	56	58	62	62	65	67	60	64	65	62	65	67	57	45	47	49	59	60	60	70	73	70	60.3
	Minimum	29	30	31	32	30	31	32	34	28	25	30	31	35	33	31	29	30	31	32	33	34	37	35	35	31	29	31	31	32	36	43	32.0
Carson Basin.																																	
Gardnerville	Maximum	65	73	....	74	72	74	73	69	69	69	70	73	72	74	70	70	....	74	76	77	75	75	64	....	62	70	73	74	80	....	....	71.8
	Minimum	38	34	....	36	36	35	40	43	43	33	33	38	40	41	39	33	....	37	41	50	52	49	42	....	36	34	40	39	40	....	....	39.3
Lahontan §§	Maximum	69	79	81	76	79	83	82	78	71	69	78	81	83	84	78	78	82	83	86	85	86	78	71	68	69	79	80	81	90	95	91	79.8
	Minimum	45	57	59	45	47	51	46	47	45	46	45	45	53	53	46	56	52	55	60	56	55	51	46	48	47	52	49	53	59	65	59	51.1
Walker Basin.																																	
Thorne	Maximum	70	77	80	78	75	80	87	77	69	74	75	81	80	82	76	75	80	80	83	82	84	86	80	72	70	75	84	81	87	85	80	78.9
	Minimum	36	38	41	50	46	46	47	45	41	39	36	42	50	50	40	43	45	48	48	56	50	50	48	43	42	42	43	50	48	48	46	45.1
Yerington	Maximum	63	75	77	73	76	77	79	77	73	64	73	75	79	76	73	76	78	79	77	82	82	80	67	68	66	74	77	75	84	85	84	75.6
	Minimum	38	39	45	41	38	37	37	39	41	33	37	41	44	46	43	42	43	44	47	52	51	46	38	36	48	36	41	43	43	49	55	42.4
Bridgeport, Cal.	Maximum	55	67	65	63	65	69	68	65	64	60	66	70	71	65	62	65	67	70	71	75	71	66	61	55	55	73	70	80	82	77	73	67.3
	Minimum	35	26	30	30	27	30	26	29	29	26	26	30	33	31	31	28	32	32	35	42	44	34	30	33	35	28	33	33	35	41	42	32.1
Colorado Basin.																																	
Caliente	Maximum	60	60	62	62	62	64	66	66	68	68	70	72	72	74	74	74	76	74	72	70	74	76	78	78	80	80	78	78	76	74	74	71.4
	Minimum	34	34	36	30	30	34	34	32	36	36	34	36	34	38	38	40	40	38	38	36	38	40	42	42	50	50	48	46	44	40	40	38.3
Las Vegas	Maximum	76	78	88	88	88	90	94	93	96	83	87	89	93	90	91	90	91	94	96	98	100	96	86	78	82	91	94	96	103	94	95	90.4
	Minimum	38	38	38	56	54	52	54	54	59	52	56	57	55	53	53	52	53	55	56	57	61	58	59	59	58	56	54	54	59	60	62	54.3
Logan	Maximum	73	80	86	87	88	93	96	95	93	83	88	91	95	90	89	92	92	95	97	98	102	96	95	85	86	94	94	98	106	97	97	92.0
	Minimum	43	46	50	59	56	56	56	50	52	53	53	57	57	60	55	52	56	54	56	55	61	58	50	53	50	51	68	64	62	70	63	55.7
Minor Basins.																																	
Cherry Creek	Maximum	56	65	70	60	64	70	76	74	76	57	60	64	69	73	64	68	66	70	70	77	76	77	70	59	64	68	75	74	78	83	76	69.3
	Minimum	29	32	38	37	32	40	38	41	42	39	32	36	39	41	48	43	46	38	47	42	48	49	40	38	39	34	40	48	44	48	51	40.6
Columbia	Maximum	56	71	75	73	75	78	77	76	73	64	69	75	78	73	75	75	77	78	80	82	81	74	69	63	62	73	81	81	82	84	77	74.4
	Minimum	33	37	44	43	44	42	47	45	42	40	35	42	46	48	42	47	44	46	45	47	51	50	39	40	43	36	44	45	47	53	59	44.1
Gerlach	Maximum	70	76	81	76	77	80	78	76	72	66	72	77	79	81	74	77	80	78	82	82	77	68	63	59	64	61	77	74	80	93	92	75.6
	Minimum	41	40	38	40	40	41	41	39	41	44	43	42	48	49	44	41	44	43	45	53	49	47	45	44	41	38	46	45	44	46	60	44.0
Geyser	Maximum	69	65	70	75	76	79	78	80	77	76	84	80	84	79	76	76	71	78	79	80	80	79	70	77	79	79	71	77	80	82	80	77.0
	Minimum	15	10	20	18	18	21	18	14	18	18	20	20	20	22	18	18	33	20	25	30	20	18	22	30	23	20	24	30	36	35	30	22.1
Jean	Maximum	72	76	78	72	75	73	78	83	88	87	89	91	91	85	84	86	83	83	85	89	88	91	95	98	97	97	93	91	96	98	98	86.8
	Minimum	43	46	51	52	51	55	54	60	65	62	62	65	60	59	60	60	56	53	52	57	58	58	61	66	69	68	66	66	68	70	68	59.4
Leeland	Maximum	69	79	88	82	91	91	91	89	85	84	85	89	91	87	89	87	89	93	92	96	111	99	94	89	85	90	94	93	101	97	92	90.1
	Minimum	41	43	50	57	56	54	52	52	53	49	51	55	53	59	50	58	55	55	57	55	62	58	56	54	53	59	57	56	59	67	64	54.7
Lida	Maximum	53	71	70	71	65	70	71	67	66	65	68	71	71	71	70	68	71	73	74	75	74	68	63	57	59	70	72	76	80	80	75	69.6
	Minimum	32	37	47	47	45	45	54	39	41	39	38	42	40	50	49	40	43	42	49	43	45	51	35	39	42	43	45	45	51	56	25	44.0
McDermit	Maximum	70	75	71	65	68	73	77	70	70	61	67	77	77	78	72	68	71	76	77	77	80	77	60	60	61	71	73	68	79	89	84	72.3
	Minimum	35	39	40	28	42	34	41	37	45	37	35	45	46	47	45	43	42	45	47	49	46	45	42	41	38	37	42	36	44	51	55	42.0
McGill	Maximum	57	67	70	68	68	74	77	76	76	67	62	70	72	70	70	68	69	72	75	77	76	77	73	70	64	74	79	79	84	84	79	72.4
	Minimum	31	34	37	45	35	39	47	51	47	38	34	35	39	43	45	35	47	40	48	47	52	52	47	39	38	34	41	45	45	49	52	42.3
Millett	Maximum	60	71	74	72	72	76	78	75	72	63	69	76	74	73	67	72	75	70	74	80	81	75	70	64	59	72	79	79	85	85	79	73.3
	Minimum	30	30	36	43	36	32	36	37	37	38	29	32	39	40	40	36	38	37	47	38	58	51	38	40	43	27	34	41	40	45	48	38.3
Oasis Ranch	Maximum	58	75	81	78	79	84	83	81	77	78	80	82	79	79	77	83	83	83	83	86	83	81	73	73	63	78	80	85	89	84	84	79.4
	Minimum	33	35	37	42	45	39	47	45	42	41	37	40	50	42	45	43	41	46	45	45	45	45	40	41	43	37	38	41	44	48	58	42.6
Pahrump	Maximum	68	77	86	87	75	88	90	85	79	78	84	73	90	83	86	85	86	89	84	86	87	85	87	84	88	87	90	92	99	91	96	85.3
	Minimum	34	40	46	40	49	47	45	46	45	44	44	48	50	60	55	52	42	40	47	49	49	50	54	56	59	54	46	52	51	64	60	49.0
Rebel Creek	Maximum	72	77	73	65	70	75	79	74	70	65	72	75	80	82	74	72	77	80	82	79	81	80	70	63	65	70	76	72	83	91	86	75.2
	Minimum	37	38	44	39	30	40	44	44	40	40	39	40	42	42	39	40	44	48	46	48	48	49	42	43	41	35	43	39	39	48	56	42.2
Rhyolite	Maximum	67	69	79	77	80	81	81	82	81	78	77	81	82	82	82	78	78	83	83	82	80	82	80	83	82	81	84	85	94	91	....	80.8
	Minimum	41	41	42	55	57	55	55	55	54	55	52	57	57	57	55	54	54	55	55	56	52	50	48	50	51	49	57	55	66	69	....	53.6
Sand Pass	Maximum	74	83	81	76	80	82	78	70	71	71	73	80	83	83	76	77	82	83	88	85	86	74	65	65	66	84	78	75	87	93	92	78.7
	Minimum	41	41	47	45	40	46	42	45	40	41	40	41	51	47	46	41	47	43	47	53	54	44	42	43	44	37	47	42	52	53	58	45.2
Searchlight	Maximum	62	71	77	77	80	83	85	85	79	71	78	81	84	80	77	78	80	84	86	90	91	84	79	73	74	80	85	88	94	85	87	81.0
	Minimum	41	47	52	53	50	57	59	57	57	58	58	61	65	62	55	53	55	58	59	61	68	60	53	52	52	57	55	59	66	70	65	57.3
Sharp	Maximum	57	67	84	75	76	77	78	79	74	62	65	69	72	68	74	72	73	77	78	79	80	78	70	63	68	73	79	80	84	81	73	73.7
	Minimum	31	37	42	44	40	41	43	41	39	38	34	38	40	45	41	41	44	43	49	45	52	44	36	35	38	40	43	45	47	53	52	42.0
Tonopah	Maximum	55	68	72	68	68	73	74	72	68	58	65	68	73	68	68	68	73	74	76	76	77	71	62	58	52	69	76	76	81	79	71	69.6
	Minimum	34	42	52	47	46	51	52	52	39	36	42	49	54	49	50	46	51	53	52	55	60	50	38	35	43	39	52	50	53	63	55	48.1

a, b, c, etc., indicates respectively 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


No Rain
Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.

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WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

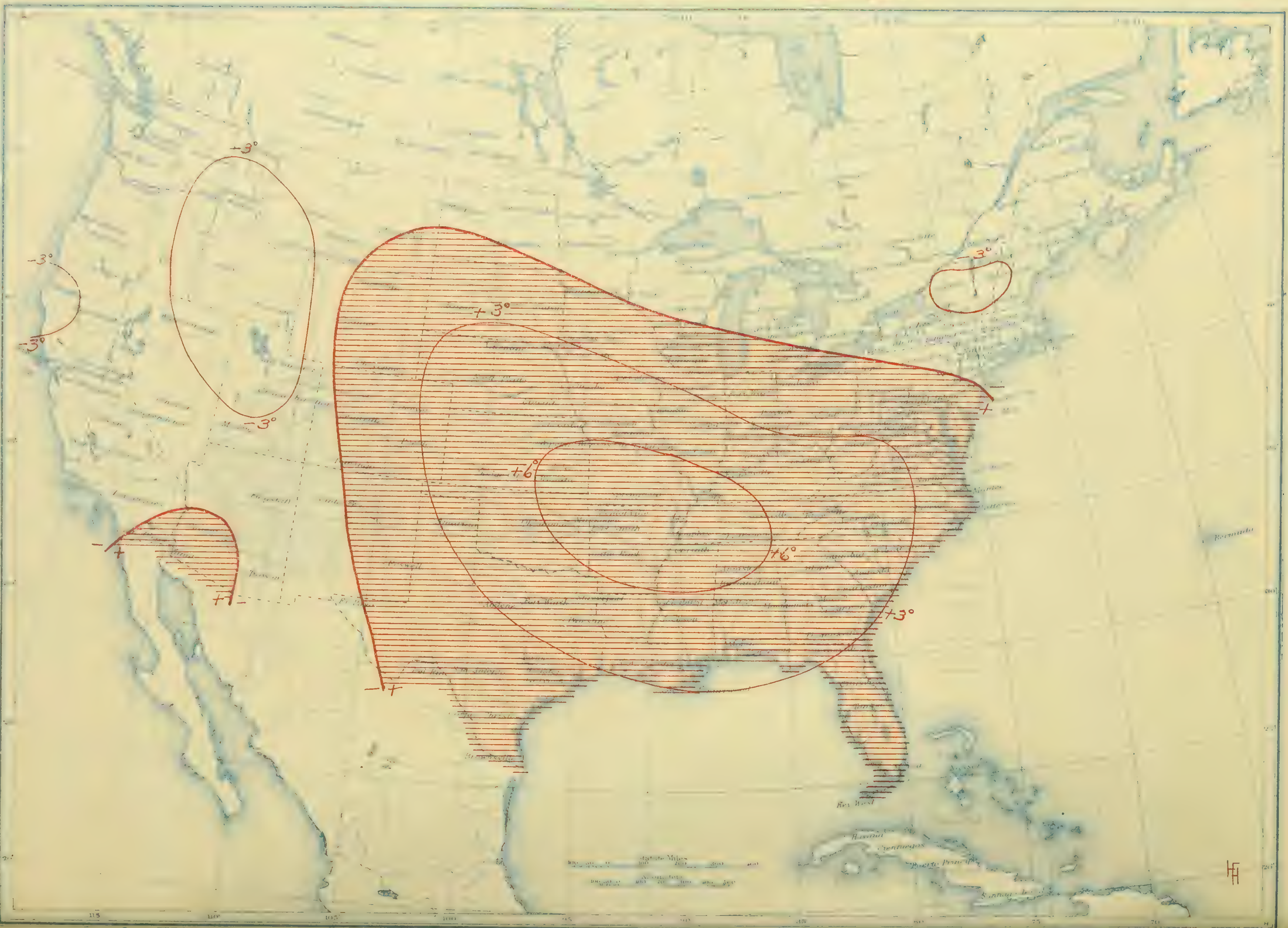
NEVADA SECTION

JUNE, 1914

BY
HARVEY S. COLE
SECTION DIRECTOR

LOS ANGELES, CAL.
WEATHER BUREAU OFFICE
JULY 17, 1914.

Departure of the Mean Temperature from the Normal, June, 1914.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HARVEY S. COLE, Section Director.

VOL. XXIX. RENO, NEVADA, JUNE, 1914. No. 6.

GENERAL SUMMARY.

The weather was cool the greater portion of June, with a decidedly cool spell the first two weeks. The last three days were very warm. Frost occurred from the 4th to the 8th north of the 39th parallel. The greatest damage occurred in the Carson Valley, where corn, potatoes and garden truck were badly frosted. The ground was well covered with snow in northern and eastern portions on the 5th. The snow protected vegetation from the cold and was not as injurious to the hardy crops raised by dry farmers as expected. Showers were general the first week of the month, on the 19th and 20th, and on the 24th and 25th. The amount of precipitation for the State was considerably above normal. In all, except the western and southern portions, it was decidedly above. Several stations report from two to three inches precipitation. A 24-hour rainfall of 1.56 inches was reported at Winnemucca, on the 19th and 20th, which was the greatest 24-hour precipitation on record at that station. Stream flow keeps up well in all basins. The snow has disappeared up to 9,000 feet in southwestern portions, to 7,200 feet in northeastern portions. The range burned out some in the central portion of the State the last two weeks; but crops and ranges elsewhere are in excellent condition, due to stream flow and good showers. The first crop of alfalfa is nearly all cut. In the southern portion the second crop is about ready to cut and melon shipments have begun.

PRESSURE.

The barometric pressure was rather low the first ten days of the month, followed by a series of fluctuations the remainder of the month. The pressure for the entire month averaged slightly above the normal.

TEMPERATURE.

The monthly mean temperature for the State, as shown by the records of 42 stations, was 62.0 degrees. Lower means have been recorded several times in the past 26 years. The mean for the 21 stations having ten or more years record was 3.1 degrees below normal. Monthly means ranged from 51 degrees at Gold Creek, to 79 degrees at Las Vegas, and were below normal at all stations, except Las Vegas, Reno and San Jacinto. The highest temperature recorded was 114 degrees, at Leeland, on the 14th; the lowest, 12 degrees, at Elko, on the 6th. Higher temperatures have been recorded several times in June; lower in 1891 and 1904.

HUMIDITY.

The mean relative humidity at the three regular Weather Bureau stations, at 5 a. m. and 5 p. m., was 45 per cent, which was about six per cent above normal. The amount of evaporation at Owyhee for the month was 5.48 inches; at Lahontan, 8.50 inches. The number of rainy and cloudy days was greater than usual, reducing the amount of evaporation.

PRECIPITATION.

The average precipitation for 50 stations in Nevada, for June, was 1.26 inches. This, for the 21 stations having ten or more years record, was 0.83 inch more than normal, and was 0.73 inch less than for June last year. A larger amount has occurred but once in June in the past 26 years, that was last year. Amounts at the four stations in the Columbia Basin averaged 1.69 inches. The average for 19 stations in the Humboldt Basin was 1.64 inches. The average for seven stations in the Truckee Basin was 0.80 inch. The average for four stations in the Carson Basin was 0.24 inch; for seven stations in the Walker Basin was 0.77 inch. The greatest local amount reported in the State was 3.91 inches at Rebel Creek. The least reported was 0.09 inch, at Pahrump.

WIND.

The average wind velocity at the three Weather Bureau stations for the month was 7.2 miles per hour, which was slightly less than normal. Several observers mention high winds on the 4th, 5th, 19th and 25th. The directions for the month were from the west and southwest, except in the southern portion where they were from the south.

SUNSHINE AND CLOUDINESS.

The average number of rainy days was 6; the number of cloudy days, 7. Both were considerably more than normal.

MISCELLANEOUS PHENOMENA.

Slight earthquake shock 7th, at Yerington.

Hail.—McDermit, 25th; McGill, 2d and 4th; Rebel Creek, 25th; Owyhee, 5th and 6th.

Killing frost.—Beowawe, Clover Valley, Dry Farm, Hylton, Jack Creek, Metropolis, Owyhee, 6th; Eureka, Paradise Valley, 5th and 6th; Gold Ceeek, 5th, 8th and 22d; Millett, 6th and 26th; North Fork, 4th, 5th, 21st and 22d; Smith, 4th, and Yerington, 8th.

Sleet.—Shafter on the 5th.

Thunderstorms.—(Date and number of stations reporting.) 1st, 7; 2d, 7; 3d, 4; 4th, 2; 9th, 1; 16th, 1; 17th, 1; 18th, 1; 19th, 8; 20th, 5; 24th, 1; 25th, 4; 28th, 1; 29th, 2; 30th, 1.

COMPARATIVE DATA FOR JUNE.

Year.	Temperature.			Average precipitation.	Number of days				Prevailing wind.
	Mean.	Highest.	Lowest.		With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	70.0	110	30	0.22	2	18	7	5	s
1890	61.5	109	24	0.05	1	22	7	1	s
1891	59.8	97	8	1.18	5	14	8	8	w
1892	62.8	110	22	1.06	4	17	8	5	w
1893	63.8	100	18	0.04	0	28	2	0	sw
1894	57.8	92	20	1.12	5	12	10	8	sw
1895	62.9	109	14	0.13	1	20	6	4	sw
1896	68.7	117	25	0.22	2	19	6	5	sw
1897	62.8	112	20	0.37	3	16	8	6	w
1898	65.0	104	20	0.19	1	20	7	3	w
1899	63.7	103	21	0.60	2	22	4	4	w
1900	67.7	111	28	0.32	2	19	5	6	w
1901	59.1	99	21	0.15	1	19	8	3	sw
1902	66.3	116	20	0.04	0	24	3	3	sw
1903	66.5	113	28	0.45	3	17	8	5	sw
1904	63.6	106	11	0.04	1	21	5	4	sw
1905	61.9	101	24	0.11	1	21	5	4	s
1906	60.2	115	20	0.59	2	16	9	5	w
1907	56.9	111	18	1.09	5	13	9	8	w
1908	60.8	116	18	0.47	3	17	9	4	w
1909	65.5	112	24	0.28	1	19	7	4	w
1910	65.4	108	23	0.05	1	23	5	2	s
1911	62.8	109	20	0.74	4	14	10	6	w
1912	63.6	112	23	0.59	3	17	7	6	w
1913	61.8	106	28	1.99	8	11	9	10	w
1914	62.0	114	12	1.26	6	15	8	7	w
Entire period		117	8						w

CORRECTIONS.

May, 1914.—Elko, mean minimum temperature 37.5; mean temperature 57.6; minimum temperature 29; greatest daily range 56.

Caliente, date of maximum temperature 25 and others.

Climatological data for June, 1914.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Length of record, years.	Precipitation, in inches.				Number of days				Prevailing direction of the wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.		Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted.)	With precipitation (0.01 inch or more.)	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek ^{b}	Elko	6,600	1	51.0	....	83	†18	18	6	46	1	1.55	....	0.50	2.0	9	12	10	6	n	Forest Supervisor.
Jack Creek	do	6,300	1	....	....	....	....	....	....	....	1	1.80	....	0.43	2.0	8	13	7	10	w	C. E. Butler.
Owyhee	do	5,400	3	59.0	....	102	17	22	6	57	3	1.54	....	0.64	1.0	12	13	9	8	n	Frank Weber.
San Jacinto	do	5,200	9	57.2	+0.2	93	19	31	†6	44	9	1.88	+0.19	0.50	4.0	9	14	5	11	nw	J. S. Parmley.
Humboldt Basin.																					
Arthur	Elko	6,500	....	....	....	....	....	....	....	....	4	2.00	....	0.80	5.0	5	19	5	6	....	Isaac Woodhouse.
Battle Mountain	Lander	4,843	43	64.2	−1.7	102	29	29	5	62	45	1.25	+0.74	0.70	T.	4	16	1	13	....	Southern Pacific Co.
Beowawe	Eureka	4,905	43	58.6	−8.6	91	18	29	6	47	45	1.62	+1.17	0.60	0	6	8	18	4	nw	Do.
Carlin	Elko	5,232	43	58.8	−3.9	94^{b}	19	25	5	58^{b}	43	1.10	+0.75	0.69	T.	4	4	16	10	w	Western Pacific Co.
Clover Valley	do	6,000	13	57.4	−1.7	87	29	26	6	42	21	2.04	+1.28	0.75	T.	8	11	13	6	....	I. F. Wiseman.
Dry Farm	do	5,600	2	57.2	....	87	†18	23	6	42	5	1.78	....	0.44	5.0	10	9	19	2	sw	Waltrid Sohlman.
Elko	do	5,432	43	56.6	−6.1	93	29	12	6	50	44	1.32	+0.72	0.32	1.7	6	20	1	9	sw	Western Pacific Co.
Eureka	Eureka	6,500	16	59.1	−1.7	92	29	25	6	47	18	2.98	+2.04	1.05	0.5	6	8	10	12	s	Clay Simms.
Golconda	Humboldt	4,697	35	62.8	−2.8	95	18	31	5	49	37	1.28	+0.72	0.95	T.	3	12	7	11	w	Southern Pacific Co.
Halleck	Elko	5,631	21	56.7	−4.9	90	28	29	22	45	45	2.40	+1.82	0.82	7.0	4	4	14	12	sw	Do.
Hylton	do	7,081	....	....	....	....	....	....	....	....	4	1.51	....	0.40	T.	5	15	14	1	....	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	1	58.4	−8.5	95	29	33	9	45	1	1.50	+1.28	1.00	0	2	6	14	10	nw	Southern Pacific Co.
Lovelocks	do	3,997	20	....	....	....	....	....	....	....	18	....	....	....	....	....	....	....	....	....	High School.
Metropolis	Elko	....	1	59.0	....	92	18	28	6	43	5	2.22	....	0.46	4.0	11	5	10	15	sw	O. M. Lloyd.
North Fork	do	6,500	....	....	....	....	....	....	....	....	5	1.13	....	0.45	2.0	8	11	5	14	s	Chas. Pratt.
Paradise Valley	Humboldt	4,650	1	....	....	....	....	....	....	....	5	1.37	....	1.05	T.	7	16	5	7	w	R. M. Taylor.
Potts ††	Nye	5,040	21	56.8	−5.0	94	29	26	6	54	23	0.50	+0.10	0.25	0	3	8	11	11	n	Miss Maud Potts.
Rochester	Humboldt	7,300	1	58.3	....	90	28	24	5	42	1	1.62	....	0.80	T.	4	21	0	9	w	E. B. Mills.
Rose Creek	do	6,350	....	....	....	....	....	....	....	....	4	....	....	....	....	....	....	....	....	....	Henry Salvai.
Shafter	Elko	5,583	1	56.0	....	92	29	27	7	53	1	1.16	....	0.42	T.	8	15	7	8	w	Geo. Kernan.
Tecoma	do	4,812	36	58.2	−4.6	96	30	15	6	66	37	0.82	+0.24	0.36	T.	8	8	19	3	....	Southern Pacific Co.
Wells ††	do	5,631	42	57.6	−6.6	90	†18	27	6	48	45	1.17	+0.62	0.62	T.	3	8^{a}	19^{a}	2^{a}	....	Do.
Winnemucca	Humboldt	4,432	35	61.2	−2.1	95	18	31	6	42	45	2.17	+1.53	1.56	0.1	9	13	7	10	ne	U. S. Weather Bureau.
Truckee Basin.																					
Fernley	Lyon	4,200	41	63.8	−2.2	99	17	32	5	53	45	0.30	+0.08	0.18	T.	2	19	8	3	w	Mrs. G. A. Steele.
Glenbrook	Douglas	6,240	5	....	....	....	....	....	....	....	5	....	....	....	....	....	....	....	....	....	C. C. Henningsen.
Lewers Ranch ††	Washoe	5,500	26	58.6	−1.4	89	28	27	5	44	27	0.84	+0.40	0.43	0	3	9	16	5	....	Ross Lewers.
Marlette Lake	do	7,900	....	....	....	....	....	....	....	....	1	0.86	....	0.40	1.0	3	17	5	7	w	V. & G. H. Water Co.
Reno	do	4,532	27	61.6	+0.6	95	28	33	5	45	27	0.29	+0.05	0.26	T.	3	18	8	4	w	U. S. Weather Bureau.
Bijou, Cal.	Eldorado	6,230	....	....	....	....	....	....	....	....	5	....	....	....	....	....	....	....	....	....	Chas. Young.
Cathedral Park, Cal.	do	6,400	2	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	Carl Fluegge.
Deer Park, Cal.	Placer	6,500	....	....	....	....	....	....	....	....	5	....	....	....	....	....	....	....	....	....	Miss Katherine Chandler
Hobart Mills, Cal.	Nevada	5,900	....	....	....	....	....	....	....	....	5	1.21	....	0.75	T.	5	20	7	3	s	S. E. Patterson.
McKinneys, Cal.	Placer	6,225	5	....	....	....	....	....	....	....	5	0.91	....	0.46	T.	3	17	5	8	s	Fred Jensen.
Tahoe, Cal.	do	6,240	6	49.2	....	81	30	23	6	45	6	0.95	....	0.58	0	2	27	0	3	w	Robert Watson.
Tallac, Cal.	Eldorado	6,230	....	....	....	....	....	....	....	....	5	1.05	....	0.45	0	4	7	20	3	sw	J. H. Pomin.
Carson Basin.																					
Fallon	Churchill	3,965	20	63.8	−0.8	97	29	33	8	47	20	0.56	+0.28	0.33	T.	5	17	10	3	w	U.S. Experiment Station.
Gardnerville	Douglas	4,830	23	58.6^{f}	−2.7	86	†17	30	8	45	24	0.12	−0.14	0.08	0	2	17^{g}	2	4	w	Forest Service.
Lahontan	Churchill	4,200	2	67.8	....	100	28	33	3	44	4	0.32	....	0.18	0	5	14	13	3	w	U.S. Reclamat'n Service.
Markleeville, Cal.	Alpine	5,525	....	....	....	....	....	....	....	....	5	0.05	....	0.05	0	1	17	13	0	s	Mrs. Mary Thornburg.
Woodfords, Cal.	do	5,634	....	....	....	....	....	....	....	....	5	....	....	....	....	....	....	....	....	....	G. P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,600	7	66.6	−3.0	98	29	32	8	50	18	0.69	+0.45	0.15	0	8	18^{a}	0^{a}	11^{a}	....	Southern Pacific Co.
Smith	Lyon	4,000	....	....	....	....	....	....	....	....	6	0.85	....	0.56	0	3	13	4	13	sw	C. M. Carter.
Thorne §	Mineral	4,200	1	65.4	−2.9	98	†18	35	5	51	1	0.40	+0.16	0.40	0	1	21	5	4	w	Southern Pacific Co.
Yerington	Lyon	4,375	5	61.7	....	91	17	30	8	41	5	0.58	....	0.46	T.	5	19	10	1	sw	High School.
Bridgeport, Cal.	Mono	6,500	1	53.8	....	84	28	25	8	53	3	0.12	....	0.04	0	3	19	5	6	w	A. F. Scott.
Lundy, Cal.	do	8,000	....	....	....	....	....	....	....	....	5	2.58	....	1.08	1.5	4	22	2	6	....	J. M. Duffy.
Shields Ranch, Cal.	do	5,300	....	....	....	....	....	....	....	....	5	0.19	....	0.19	0	1	12	15	3	....	Frank W. Chichester.
Colorado Basin.																					
Caliente ††	Lincoln	4,407	4	61.4	....	90	†25	38	2	36	4	0.01	....	0.01	0	1	22	0	8	s	Salt Lake Route.
Indian Springs	Clark	3,136	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	Ira McFarland.
Lake Valley	Lincoln	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	Lake View Farming Co.
Las Vegas	Clark	2,033	12	79.0	+3.3	110	29	49	9	48	12	0.45	+0.31	0.40	0	3	22	1	7	s	C. P. Squires.
Logan §	do	1,355	7	....	....	....	....	....	....	....	15	....	....	....	....	....	....	....	....	....	Orin W. Jarvis.
Minor Basins.																					
Cherry Creek	White Pine	6,450	6	59.2	....	96	29	28	6	47	6	2.31	....	0.70	1.0	8	18	6	6	w	J. H. Leishman.
Columbia	Esmeralda	5,750	7	63.0	....	96	30	32	6	44	9	1.28	....	0.54	0	7	20	5	5	se	A. Booth.
Gerlach	Washoe	3,931	2	65.1	....	97	17	36	5	41	2	0.36	....	0.15	T.	6	12	12	6	w	Western Pacific Co.
Geyser	Lincoln	6,055	10	....	....	....	....	....	....	....	10	....	....	....	....	....	....	....	....	....	Mrs. J. F. Wambolt.
Jean	Clark	2,074	6	....	....	....	....	....	....	....	7	....	....	....	....	....	....	....	....	....	Salt Lake Route.
Leeland	Nye	2,500	1	78.2	....	114	14	45	8	58	1	0.60	....	0.60	0	1	20	7	3	....	Agent T. & T. R. R. Co.
Lida	Esmeralda	6,037	2	61.4	....	95	15	29	6	41	2	1.14	....	0.71	0	4	23	4	3	nw	L. F. Detwiler.
McDermit	Humboldt	4,700	24	58.6	−6.4	91	18	29	†5	40	24	1.92	+1.10	0.60	T.	8	16	8	6	sw	Geo. H. Beaman.
McGill §	White Pine	6,338	4	61.4	−4.6	94	29	25	6	48	4	3.08	+2.62	1.20	T.	9	18	7	5	s	R. E. Middagh.
Millett	Nye	6,002	6	59.5	....	93	29	28	6	54	7	0.72	....	0.45	0	3	13	11	6	....	Fred J. Jones.
Oasis Ranch	Esmeralda	5,106	2	64.0	....	97	30	34	6	50	2	0.62	....	0.26	0	4	15	9	6	s	A. S. Patterson.
Pahrump	Nye	2,668	1	....	....	....	....	40	8	....	1	0.09	....	0.09	0	1	25	2	3	s	F. A. Buol.
Quinn River Ranch	Humboldt	4,850	12	....	....	....	....	....	....	....	13	....	....	....	....	....	....	....	....	....	F. M. Payne.
Rebel Creek	do	....	2	59.6	....	92	†17	30	†5	48	3	3.91	....	1.80	0.5	9	10	11	9	w	Mrs. E. J. Hyatt.
Rhyolite	Nye	3,680	1	72.2	....	101	29	39	8	43	1	1.02	....	0.50	0	3	10	17	3	sw	Chas. Kirchen.
Sand Pass	Washoe	4,198	1	65.0	....	102	28	32	5	48	1	0.64	....	0.39	0	4	21	5	3	w	Western Pacific Co.
Searchlight	Clark	3,445	1	76.2	....	102	†28	47	8	30	1	0.48	....	0.28	0	4	19	7	4	s	C. L. Aug. Mahn.
Sharp	Nye	....	1	60.7	....	95	30	31	6	43	1	0.69	....	0.24	0	6	21	5	4	w	F. A. Seers.
Tonopah	do	6,090	9	62.2	....	92	29	30	5	33	9	0.58	....	0.22	0	7	14	14	2	w	U. S. Weather Bureau.
For the State	....	....	....	62.0	−3.1	114	14	12	6	66	....	1.26	+0.83	1.80	0.7	6	15	8	7	w	

Estimated and incomplete data not considered in means.

All other data are considered in determining section means, but the mean departures from the normal temperature and precipitation are based on records from stations that have ten or more years of observations, except when marked § which indicates that data from nearby stations were used in determining normals.

Reference letters ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for June, 1914.

Stations.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Columbia Basin.																																
Gold Creek	.30	.50	.03		.16				.05		.05								.12	.22				.12								b1.55
Jack Creek	T.		.43	.20			.43	.05	T.	.03		.11								.30				T.	.25							1.80
Owyhee	.15		.10	T.	.05		.14	.02	.10		T.	T.							.02	.64	.03	T.		.05	.23	.01						1.54
San Jacinto			.20		.50			.30		.15	.02	.04							.42					.15	.10							1.88
Humboldt Basin.																																
Arthur	.80		.50		.20	T.	T.	.10																	.40							2.00
Battle Mountain‖‖	T.		.15		T.		.30												.70					.10								1.25
Beowawe‖‖				.48			*	.60											*	.34				.20								1.62
Carlin	.69					.10									.12					T.					.19							1.10
Clover Valley	.62	T.	.75		.24		.13			.03									.12	T.				T	.15							2.04
Dry Farm	.07	.18		.24	.31	.07	.44	.07											.12	.09				.19								1.78
Elko	.27		.16		.28					.14									.15						.32							1.32
Eureka	1.05	.90	.03		.21		.73												.06													2.98
Golconda					.11														.95						.22							1.28
Halleck	T.	T.		T.	.60		.18		T.										.80						.82							2.40
Hylton	.40	.19			.40		.26												.26													1.51
Imlay							1.00	T.											.50													1.50
Metropolis	.46	T.	.15	.26	.29	T.	.20	.13	T.	T.									.13	.02		.18			.36	.04				T.		2.22
North Fork	.45		.20		.10	.14	T.	.03											.03	.04					.14							1.14
Paradise Valley			.01	T.	.06		.07	.05											.02	1.05				.03	.08							1.37
Potts	.25	.20	T.				.05	T.							T.				T.													0.50
Rochester					.02	T.	.70	T.											.10	.80												1.62
Rose Creek																																
Shafter	T.	.20	.42		.06	.02	.12	.08											.04						.22							1.16
Tecoma	.04		.05	.36	.06		.21												.02	.05					.03							0.82
Wells			.05		.50	T.																			.62							1.17
Winnemucca***	.07		.02		.02	.03	.37	T.											.55	1.01				.06	.04							2.17
Truckee Basin.																																
Fernley					T.	T.	.18											T.	.12													0.30
Glenbrook																																
Lewers Ranch							.43												.21					.20								0.84
Marlette Lake‖‖						.21													.40					.25								0.86
Reno ***					T.		.02											T.	.26					.01								0.29
Bijou, Cal																																
Cathedral Park, Cal																																
Deer Park, Cal																																
Hobart Mills, Cal					.02		.05												.75	.02				.37								1.21
McKinneys, Cal.					T.	T.	.13												.32					.46								0.91
Tahoe, Cal																			.58					.37								0.95
Tallac, Cal						T.	.15										T.		.45					.35	.10							1.05
Carson Basin.																																
Fallon	.06	.02			T.		.07												.33	.08				T.								0.56
Gardnerville																	.04		.08													0.12
Lahontan‖‖	T.				.05	.01											.03	.18					.05									0.32
Markleeville, Cal															T.								.05									0.05
Woodfords, Cal																																
Walker Basin.																																
Mina	.15	.10						.14							.08		.06				.07			.04								0.69
Smith						T.	T.										.04	.56	.25													0.85
Thorne																			.40													0.40
Yerington					.01	T.	T.										.01	.09	.46	.01												0.58
Bridgeport, Cal		.04													.04				.04													0.12
Lundy, Cal							T.	.25							.50	.75	1.08															2.58
Shields Ranch, Cal																	T.	.19	T.						T.							0.19
Colorado Basin.																																
Caliente		.01																														0.01
Indian Springs																																
Lake Valley																																
Las Vegas	.40	.04	.01															T.	T.													0.45
Logan																																
Minor Basins.																																
Cherry Creek	.70	.10	.68		.35		.14	.28	.03										T.						.03							2.31
Columbia	.34	.54	.01	.04			.30	.02											.03													1.28
Gerlach			.01	.04	.06		.05												.15					.05	T.							0.36
Geyser																																
Jean																																
Leeland		.60																														0.60
Lida	T.	.71	.07	.08			.28											T.	T.													1.14
McDermit	.02	T.	.07	.35	T.	.20		.04	T.									T.	.04	.60		T.		.12	.58							1.92
McGill	.36	1.20	.19	.19	.25		.50											.05	.04											.30		3.08
Millett	.15	.45					.12	T.																	T.							0.72
Oasis Ranch	.20	.05	.26												T.			T.	.11					T.								0.62
Pahrump	T.	.09	T.															T.														0.09
Quinn River Ranch																																
Rebel Creek	T.		T.	.05	.12	T.	.56	.35	T.										.36	1.80	.02			.25	.40							3.91
Rhyolite		.45						.50													.07											1.02
Sand Pass						.03	.21												.39	.01												0.64
Searchlight	.02	.28	T.											T.					.05									T.	.13			0.48
Sharp	.06	T.	.09				.07	.24							.14				.09													0.69
Tonopah***	.12	.14	.01	.03			.22											.02	.04					T.								0.58

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight.

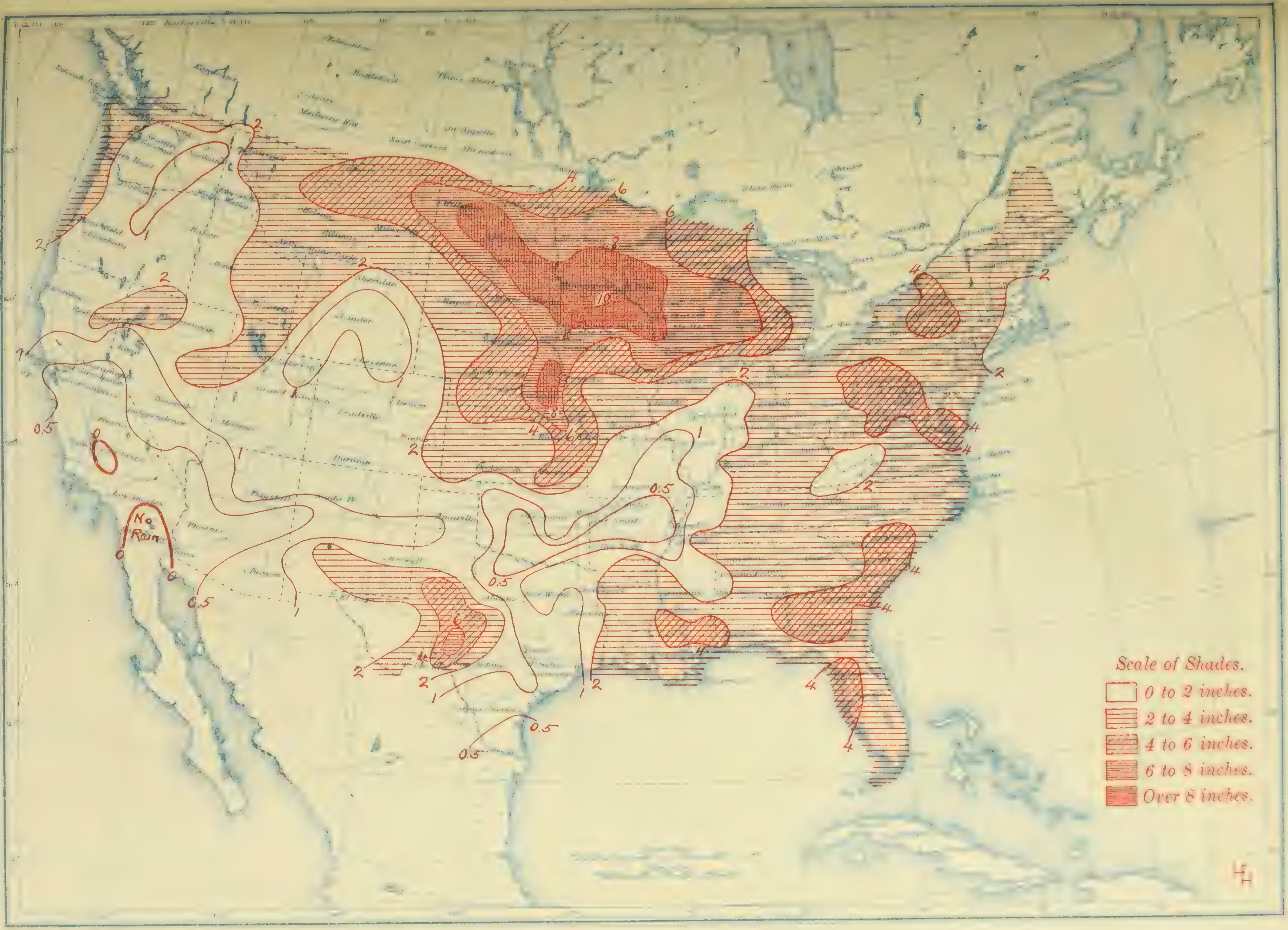
‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

T. Trace, or less than 0.01 inch.

Daily temperatures for June, 1914.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek	Maximum	78	66	65	61	35	36	....	....	48	60	65	68	66	67	68	76	81	83	77	64	63	70	67	55	64	65	79	80	83	82	....	66.9
	Minimum	46	43	40	23	26	18	....	....	29	27	27	38	37	30	37	33	37	42	50	46	43	24	34	36	33	34	33	40	38	40	....	35.1
Owyhee	Maximum	90	81	79	69	49	56	53	63	74	79	85	82	83	87	92	98	102	85	73	68	63	72	68	62	60	70	81	85	85	85	....	76.0
	Minimum	55	53	49	35	30	22	39	36	40	32	43	43	34	38	40	49	45	50	56	50	30	47	38	45	42	36	42	47	45	47	....	41.9
San Jacinto	Maximum	78	77	68	66	63	58	61	60	65	60	68	60	62	68	71	82	83	88	93	86	75	69	72	75	72	76	86	87	88	81	....	73.3
	Minimum	43	47	46	44	38	31	33	34	31	33	40	45	37	36	35	39	42	45	49	42	39	51	54	38	38	43	43	46	48	44	....	41.1
Humboldt Basin.																																	
Battle Mountain §§	Maximum	85	78	90	75	48	56	60	67	80	82	80	82	80	85	84	92	95	99	85	80	80	85	86	85	87	90	99	100	102	98	....	83.2
	Minimum	55	56	43	38	29	38	48	42	40	48	42	40	42	40	42	52	54	65	52	39	36	47	49	47	45	43	42	40	40	58	....	45.1
Beowawe§§	Maximum	72	73	74	65	57	50	46	50	64	72	75	75	74	76	78	80	90	91	84	71	60	65	63	63	68	80	85	85	88	85	....	72.0
	Minimum	52	48	46	44	43	29	36	40	39	41	48	54	43	39	47	49	54	52	59	53	50	42	39	36	48	34	38	49	48	52	....	45.1
Carlin	Maximum	80	79	80	70	60	62	64	62	....	....	80	80	78	82	88	86	93	92	94	80	78	80	78	80	70	86	90	90	92	91	....	78.0
	Minimum	60	50	60	32	25	31	34	34	38	35	43	43	41	43	34	42	41	42	48	49	44	28	41	40	45	42	32	38	40	50	....	39.7
Clover Valley	Maximum	74	72	72	69	61	67	58	59	65	71	67	74	72	75	75	80	82	85	75	70	66	73	74	75	59	69	83	85	87	82	....	72.6
	Minimum	47	50	49	43	30	26	34	36	36	35	45	38	43	44	44	46	44	49	56	44	41	35	43	40	41	35	41	52	47	55	....	42.3
Dry Farm	Maximum	73	68	70	68	45	53	55	56	63	72	75	69	74	76	73	79	84	87	73	69	66	73	74	59	59	73	84	85	87	83	....	70.8
	Minimum	51	52	51	43	28	23	36	34	38	37	45	44	41	43	46	45	51	51	53	49	48	31	49	42	45	39	44	48	50	53	....	43.7
Elko	Maximum	85	68	69	62	72	51	48	55	61	65	72	73	72	74	79	78	89	88	81	76	65	69	72	72	58	88	90	92	93	92	....	73.6
	Minimum	35	40	36	37	23	12	30	32	28	32	38	40	41	42	42	43	45	51	61	60	51	30	44	41	44	39	34	43	45	50	....	39.6
Eureka	Maximum	73	65	68	70	65	55	57	62	65	75	77	76	78	81	77	82	85	89	81	74	73	79	80	77	69	78	89	91	92	88	....	75.7
	Minimum	51	48	46	45	28	25	32	33	36	39	45	41	37	40	49	42	47	56	53	45	46	38	41	47	42	31	44	49	51	47	....	42.5
Golconda	Maximum	78	80	79	68	46	51	67	71	70	81	80	79	81	83	85	90	90	95	78	87	72	69	68	70	60	63	85	91	93	90	....	76.7
	Minimum	48	55	54	34	31	36	39	45	42	62	54	42	55	64	69	48	55	68	50	38	40	48	43	49	42	38	43	43	72	58	....	48.8
Halleck	Maximum	67	80	68	45	36	46	44	52	62	74	73	70	78	76	79	82	87	72	68	69	64	74	72	66	46	70	86	90	87	88	....	69.0
	Minimum	40	41	40	42	30	38	34	36	37	41	48	49	50	52	53	58	60	46	48	47	42	29	39	42	44	36	46	54	56	54	....	44.4
Imlay	Maximum	72	77	70	69	50	48	65	69	72	80	82	82	80	82	84	80	81	85	86	80	81	78	71	61	65	60	62	90	95	92	....	75.0
	Minimum	41	40	38	35	34	36	35	34	33	35	40	42	43	40	44	40	44	40	45	40	42	45	40	38	37	35	39	70	71	60	....	41.9
Metropolis	Maximum	76	77	73	67	43	53	57	53	65	74	74	78	76	80	84	87	89	92	79	72	76	77	77	73	57	73	83	86	89	89	....	74.3
	Minimum	50	50	50	40	31	28	36	38	36	36	43	46	37	42	48	45	50	54	56	49	48	42	42	41	41	35	43	48	46	56	....	43.6
Rochester	Maximum	74	75	78	58	43	38	52	54	61	66	70	66	74	78	81	82	86	78	78	67	62	76	70	62	60	63	81	90	87	84	....	69.8
	Minimum	51	54	48	34	24	26	27	28	39	44	44	43	44	51	56	58	60	64	51	46	41	46	45	45	50	51	62	48	64	61	....	46.8
Shafter	Maximum	68	75	72	69	44	51	57	59	63	70	77	75	77	77	77	82	88	90	75	70	68	72	76	69	50	71	85	87	92	85	....	72.4
	Minimum	51	51	50	43	31	29	27	39	33	32	44	41	35	37	38	38	38	40	54	41	46	28	36	39	38	35	33	47	39	56	....	39.6
Tecoma	Maximum	88	85	85	82	80	80	79	80	78	79	79	82	83	82	82	84	90	90	94	90	85	83	82	80	80	82	83	88	94	96	....	84.2
	Minimum	39	42	40	35	20	15	19	31	27	26	32	37	26	30	30	37	38	35	42	38	32	17	32	32	35	34	25	35	37	45	....	32.1
Winnemucca	Maximum	80	83	78	64	48	58	54	58	70	78	79	75	78	84	86	88	94	95	74	74	65	78	76	63	64	75	89	90	94	89	....	76.0
	Minimum	59	53	50	39	31	31	43	36	37	42	42	50	40	46	51	52	55	53	55	53	43	40	46	51	44	39	47	56	53	59	....	46.5
Truckee Basin.																																	
Fernley	Maximum	87	88	82	71	56	62	52	65	78	79	82	77	86	89	89	91	99	97	80	80	76	83	83	74	74	84	98	98	97	95	....	81.7
	Minimum	54	56	50	43	32	34	43	34	37	39	48	42	44	41	49	46	46	55	54	57	46	37	41	54	47	35	45	49	60	60	....	45.9
Reno	Maximum	80	79	73	66	53	52	53	67	72	77	76	71	82	85	87	88	94	88	70	76	74	75	73	65	65	83	87	95	93	91	....	76.3
	Minimum	53	50	48	38	33	40	42	35	38	39	45	45	39	45	52	53	52	58	58	56	49	44	46	51	47	39	49	50	57	56	....	46.9
Tahoe, Cal	Maximum	69	70	72	55	46	45	44	41	49	60	63	65	62	66	72	73	73	80	75	63	65	64	63	62	54	65	74	74	80	81	....	63.8
	Minimum	38	41	40	34	28	23	29	32	25	29	27	29	30	29	33	37	38	41	42	40	37	36	38	40	39	31	29	38	40	41	....	34.5
Carson Basin.																																	
Fallon	Maximum	85	83	81	76	57	64	57	68	77	79	82	80	81	86	88	89	96	96	81	81	77	83	82	71	70	83	93	95	97	93	....	81.0
	Minimum	57	55	50	43	35	34	43	33	38	40	44	40	39	44	50	47	52	55	57	53	49	42	45	56	47	40	46	53	54	57	....	46.6
Gardnerville	Maximum	83	78	75	71	63	60	....	65	74	73	72	76	80	....	81	84	86	85	76	....	....	75	73	70	65	76	....	....	86	85	....	75.5
	Minimum	47	44	38	38	32	37	....	30	33	41	39	35	41	....	44	46	47	51	56	....	....	39	43	53	48	35	....	....	41	46	....	41.8
Lahontan§§	Maximum	88	81	74	50	69	56	70	78	82	84	83	79	83	87	89	91	97	99	79	83	75	83	82	67	70	84	96	100	99	96	....	81.6
	Minimum	53	50	33	40	43	39	48	51	54	50	51	58	59	60	63	66	61	55	54	48	53	58	43	45	57	62	65	64	68	68	....	54.0
Walker Basin.																																	
Mina	Maximum	83	73	81	82	78	66	75	70	74	84	86	84	85	88	84	89	93	90	83	84	86	86	86	85	78	86	96	97	98	95	....	84.2
	Minimum	53	59	47	47	41	34	44	32	45	47	50	47	47	51	53	47	50	52	55	46	50	45	49	50	44	47	46	60	64	64	....	48.9
Thorne	Maximum	80	78	84	81	70	74	65	70	76	81	83	82	83	83	85	90	94	98	79	82	84	83	78	72	75	80	95	93	98	95	....	82.4
	Minimum	48	50	48	48	35	48	46	38	40	42	50	47	47	50	48	51	53	57	50	50	50	49	45	44	50	48	44	57	58	61	....	48.4
Yerington	Maximum	84	80	79	72	66	62	63	67	74	80	80	76	80	83	83	85	91	90	75	80	72	78	79	71	68	80	89	90	90	90	....	78.6
	Minimum	54	47	38	40	31	33	36	30	36	40	47	44	39	43	49	47	52	53	55	46	49	43	47	59	40	39	48	52	55	52	....	44.8
Bridgeport, Cal	Maximum	72	70	68	64	59	54	55	62	68	69	68	67	75	75	75	80	82	80	72	70	70	68	68	54	62	81	80	84	82	80	....	70.5
	Minimum	47	41	35	32	28	28	38	25	30	31	38	33	30	36	39	37	42	46	50	42	40	38	34	48	40	28	36	40	38	40	....	37.0
Colorado Basin.																																	
Caliente	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Las Vegas	Maximum	94	86	84	91	82	75	78	90	95	98	98	99	99	103	98	99	103	98	94	96	99	99	99	99	94	97	104	109	110	108	....	95.9
	Minimum	68	63	59	57	64	52	52	50	49	56	67	69	68	68	60	60	64	66	61	60	60	58	63	67	67	63	56	67	74	74	....	62.1
Logan	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Minor Basins.																																	
Cherry Creek	Maximum	74	68	68	69	54	50	56	54	66	74	77	75	76	77	73	79	83	89	80	73	70	78	78	80	67	75	87	88	96	89	....	74.1
	Minimum	50	46	43	46	31	28	36	37	35	38	43	49	42	48	52	46	47	51	58	49	50	42	44	45	44	39	40	48	51	54	....	44.4
Columbia	Maximum	77	58	69	75	64	62	63	65	75	80	82	81	83	85	79	85	88	84	75	81	80	83	82	73	77	83	91	94	95	96	....	78.8
	Minimum	54	48	49	43	35	32	38	35	42	45	46	46	46	49	58	49	54	53	50	46	51	48	46	53	43	39	50	54	59	58	....	47.3
Gerlach	Maximum	81	83	86	72	60	62	66	73	76	79	75	77	76	81	86	90	97	96	88	80	78	80	81	79	68	81	90	92	96	95	....	80.8
	Minimum	46	61	53	48	36	40	43	41	41	40	53	49	48	51	56	56	56	56	58	56	50	42	50	51	42	40	50	52	55	62	....	49.4
Geyser	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Jean	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Leeland	Maximum	105	82	80	89	101	74	95	85	91	97	98	99	99	114	99	99	103	97	95	93	95	101	96	105	101	96	104	107	110	107	....	97.2
	Minimum	69	58	58	56	58	46	50	45	50	54	55	61	62	56	59	65	65	61	58	60	68	57	52	69	67	62	53	61	71	74	....	59.3
Lida	Maximum	73	64	66	68	62	55	57	60	68	74	71	76	88	84	95	90	85	77	74	75	81	77	76	75	75	76	89	85	90	90	....	75.9
	Minimum	51	48	53	42	33	29	40	30	38	44	46	58	51	49	57	49	55	42	45	46	47	52	50	45	43	44	52	45	59	65	....	46.9
McDermit	Maximum	71	84	82	52	49	53	51	67	65	69	73	72	72	79	80	84	88	91	84	77	64	74	71	62	59	71	82	85	87	82	....	72.7
	Minimum	54	51	46	33	29	29	39	35	37	41	41	44	40	50	53	52	54	56	58	52	41	37	43	49	40	37	46	45	51	50	....	44.4
McGill	Maximum	76	68	65	69	62	50	56	58	68	76	79	78	82	83	75	81	87	90	84	75	76	81	81	81	76	81	90	91	94	86	....	76.6
	Minimum	57	52	48	47	30	25	36	34	35	39	46	51	44	48	60	45	49	57	52	49	55	44	46	50	47	37	42	53	53	52	....	61.4
Millett	Maximum	71	60	75	74	61	59	59	67	72	78	75	77	82	83	73	85	87	88	79	80	75	81	79	68	70	84	88	90	93	91	....	76.9
	Minimum	53	50	43	45	31	28	39	34	36	53	42	40	40	44	43	40	48	42	54	46	47	38	43	43	43	30	34	45	45	45	....	42.1
Oasis Ranch	Maximum	79	76	74	80	64	66	68	72	81	88	82	88	85	85	81	84	90	82	78	84	87	84	88	86	90	91	93	91	95	97	....	83.0
	Minimum	50	54	46	41	38	34	36	35	36	38	40	38	45	42	50	50	52	49	48	45	47	50	45	44	50	47	48	45	51	55	....	45.0
Pahrump	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Rebel Creek	Maximum	80	83	75	57	50	55	53	59	69	75	76	74	77	84	85	87	92	92	83	74	67	77	75	65	61	78	85	87	87	88	....	75.0
	Minimum	55	53	50	36	30	30	39	34	37	37	46	45	42	42	42	56	52	56	58	52	42	38	47	48	40	40	45	39	39	59	....	44.3
Rhyolite	Maximum	88	87	88	87	86	85	84	70	80	81	80	80	88	87	89	89	91	92	89	90	92	97	92	95	95	100	98	98	101	99	....	89.3
	Minimum	56	50	52	45	44	41	40	39	52	53	52	51	52	52	57	57	59	60	57	54	61	68	59	59	59	57	61	60	64	78	....	55.0
Sand Pass	Maximum	94	89	90	64	55	56	56	68	74	85	80	78	83	87	91	95	98	99	79	79	82	82	79	74	69	82	92	102	97	95	....	81.8
	Minimum	48	55	48	44	32	40	40	41	37	41	45	41	44	55	52	65	54	59	56	53	49	44	50	50	41	45	50	54	54	60	....	48.1
Searchlight	Maximum	87	77	77	84	76	71	70	77	84	91	91	93	94	95	91	93	94	87	87	88	90	92	94	92	90	93	100	102	102	98	....	88.7
	Minimum	62	56	57	57	58	49	48	47	56	61	62	69	66	69	65	70	70	72	65	64	66	64	64	64	64	67	73	78	78	72	....	63.8
Sharp	Maximum	76	70	62	72	62	60	56	68	73	79	73	73	74	78	74	81	85	82	78	79	82	82	82	80	78	79	89	93	94	95	....	77.0
	Minimum	53	53	44	40	37	31	35	32	32	42	40	41	40	45	42	50	50	48	45	42	48	46	47	47	48	36	49	57	55	56	....	44.4
Tonopah	Maximum	70	56	68	70	45	57	56	61	71	77	77	78	78	80	76	81	84	82	72	75	72	78	76	68	70	78	87	90	92	90	....	73.8
	Minimum	52	48	48	42	30	33	36	34	46	51	54	50	50	59	61	56	64	56	51	50	51	49	49	53	47	45	58	62	67	64	....	50.5

a, b, c, etc., indicates respectively 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
☐ 0 to 2 inches.
▤ 2 to 4 inches.
▨ 4 to 6 inches.
▦ 6 to 8 inches.
▩ Over 8 inches.
No Rain
LH

LATE REPORTS.

April.—San Jacinto, Elko County, mean temperature, 45.0; highest, 68 on the 15th; lowest, 26 on the 7th; total precipitation, 0.17 inch; number of rainy days, 1.

Clover Valley, Elko County, mean temperature, 45.4; highest, 72 on the 19th; lowest, 19 on the 17th; total precipitation, 1.55 inches; number of rainy days, 10; clear, 3; partly cloudy, 13; cloudy, 14.

May.—Clover Valley, Elko County, mean temperature, 53.3; highest, 82 on the 30th and 31st; lowest, 25 on the 5th; total precipitation, 0.18 inch; number of rainy days, 2; clear, 12; partly cloudy, 12; cloudy, 7.

Mina, Mineral County, mean temperature, 62.3; highest, 91 on the 29th; lowest, 31 on the 1st; total precipitation, 0.3; inch; number of rainy days, 3; clear, 20; partly cloudy, 25 cloudy, 9; prevailing direction of the wind, northwest.

San Jacinto, mean temperature, 50.3; highest, 76 on the 31st; lowest, 28 on the 1st and 12th; total precipitation, 1.60 inches; number of rainy days, 3.

Cathedral Park, Eldorado County, Cal., mean temperature, 49.8; highest, 71 on the 30th; lowest, 30 on the 6th; total precipitation, 0.66 inch; 17 clear days, 8 partly cloudy and 5 cloudy.

Woodfords, Alpine County, Cal., total precipitation, 0.20 inch; number of rainy days, 2; clear, 27; partly cloudy, 1; cloudy, 3.

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

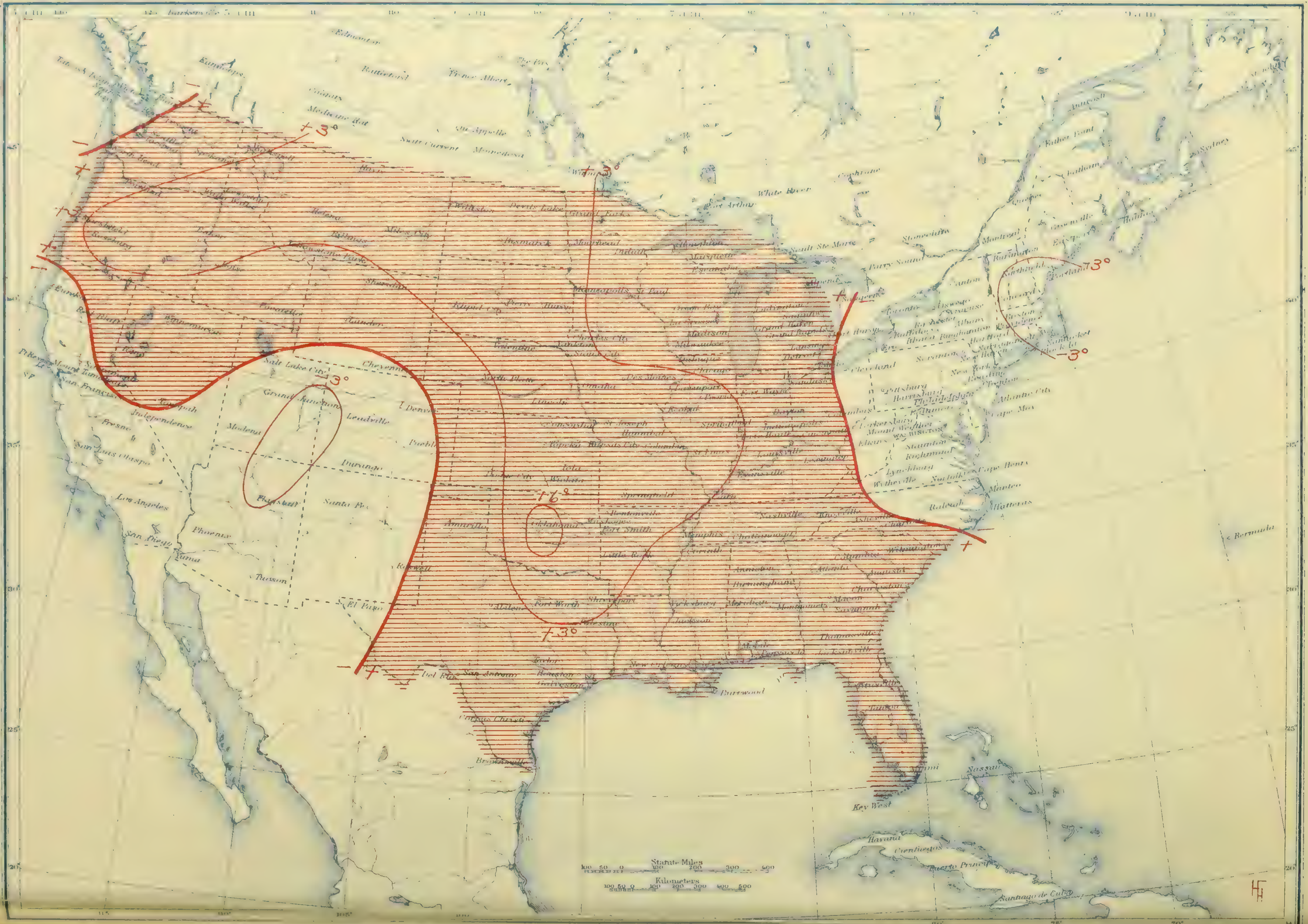
NEVADA SECTION

JULY, 1914

BY
HARVEY S. COLE
SECTION DIRECTOR

LOS ANGELES, CAL.
WEATHER BUREAU OFFICE
AUGUST 19, 1914.

Departure of the Mean Temperature from the Normal, July, 1914.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HARVEY S. COLE, Section Director.
WAYLAND BAILEY, Acting Section Director.

Vol. XXIX. Reno, Nevada, July, 1914. No. 7.

GENERAL SUMMARY.

The mean temperature for the State as a whole was slightly below the average; generally at the lower elevations it was above and at the higher elevations below the average. There were no abnormally warm or cool spells during the month and the changes from day to day were moderate, usually taking place in connection with movements of showers.

The precipitation was a little above the average and occurred in the form of local showers and thunderstorms, which were widely scattered; on 23 days there was a thunderstorm reported from some portion of the State, but the larger number of them occurred from the 19th to the 23d; the 7th was the only day on which no rain was reported within the State. The showers were light in the western portion and were heavier in the eastern portion of the State.

While the streamflow has decreased during the month, there is still plenty of water in the rivers. The snow lies heavy on the northwest slopes at high elevations in the southwestern portion and has not entirely disappeared in the northeastern portion.

In the southern portion the crops have been harvested under favorable conditions; in the northeastern portion apricots and harvest apples are ripe. In most of the central portion the range is in great need of rain.

PRESSURE.

The barometric pressure was nearly normal during the month with but slight fluctuations.

TEMPERATURE.

The monthly mean temperature for the State, as shown by the records of 45 stations, was 72.4 degrees. The mean for the 24 stations having ten or more years record was 0.6 degree below normal. Monthly means ranged from 58 degrees at Gold Creek to 91 degrees at Jean. The highest temperature recorded was 118 degrees at Leeland, on the 17th; the lowest, 32 degrees at Tecoma, on the 23d. Only once has a higher temperature been recorded in the State, 119 degrees in 1889.

HUMIDITY.

The mean relative humidity at the three regular Weather Bureau stations at 5 p. m. and 5 a. m. was 45 per cent, which was about normal. The amount of evaporation at Owyhee for the month was 6.16 inches; at Lahontan it was 13.21 inches.

PRECIPITATION.

The average precipitation for 50 stations in Nevada for July was 0.52 inch. This, for the 24 stations having ten or more years record, was 0.14 inch more than the normal and was 0.78 inch less than for July last year. Amounts at the four stations in the Columbia Basin averaged 0.73 inch; 18 stations in the Humboldt Basin, 0.56 inch; 10 stations in the Truckee Basin, 0.08 inch; four stations in the Carson Basin, 0.12 inch; seven stations in the Walker Basin, 0.44 inch; 14 stations in the minor basins, 0.66 inch. The greatest monthly amount reported in the State was 1.70 inches, at Sharp; the least reported was none at Lewer's Ranch and at Marlette Lake; a trace was reported from nine stations.

WIND.

The average wind velocity at the three Weather Bureau stations for the month was 7.0 miles per hour, which was one mile per hour more than the normal. The directions for the month were from the south, southwest and west. High winds were reported from several stations on the 11th, 12th, 19th and 24th.

SUNSHINE AND CLOUDINESS.

The average number of rainy days was 3; the number of cloudy days 5; both were slightly more than normal.

MISCELLANEOUS PHENOMENA.

Hail.—Cherry Creek, 13th; Millet, 19th; Searchlight, 10th; Shafter, 13th; Smith, 21st; Wells, 4th.

Thunderstorms.—(Date and number of stations reporting.) 1st, 1; 3d, 3; 4th, 2; 9th, 5; 10th, 3; 11th, 3; 12th, 1; 13th, 2; 15th, 1; 17th, 1; 18th, 2; 19th, 8; 20th, 12; 21st, 9; 22d, 6; 23d, 5; 25th, 1; 26th, 6; 27th, 3; 28th, 1; 29th, 1; 30th, 1; 31st, 2.

COMPARATIVE DATA FOR JULY.

Year.	Temperature.			Average precipitation.	Number of days				Prevailing wind.
	Mean.	Highest.	Lowest.		With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	76.1	119	36	0.17	1	29	1	1	s
1890	74.0	118	28	0.15	1	23	6	2	sw
1891	70.4	102	26	0.53	3	17	8	6	s
1892	70.6	115	30	0.67	1	28	2	1	w
1893	70.3	110	24	0.40	2	24	5	2	sw
1894	71.7	108	32	0.75	5	21	8	2	s
1895	62.9	109	14	0.13	1	21	6	4	w
1896	72.7	112	33	0.79	2	22	6	3	w
1897	69.4	116	25	0.28	1	26	3	2	sw
1898	73.5	114	30	0.12	1	23	6	2	w
1899	72.6	106	34	0.14	2	22	5	4	w
1900	70.6	113	33	0.37	1	23	4	4	w
1901	70.8	109	31	0.31	2	21	6	4	sw
1902	67.9	116	25	0.44	2	21	5	5	sw
1903	65.4	111	26	0.01	1	27	3	1	sw
1904	68.7	110	30	0.51	3	19	8	4	sw
1905	72.1	109	31	0.03	1	24	5	2	sw
1906	74.7	114	32	0.68	4	17	9	5	w
1907	69.2	113	27	0.06	1	22	6	3	s
1908	74.2	116	32	0.42	3	18	10	3	w
1909	69.5	112	23	0.14	2	23	6	2	s
1910	72.9	110	28	0.65	3	18	8	5	w
1911	70.9	109	30	0.31	3	17	10	4	w
1912	68.6	113	25	0.67	4	17	7	7	w
1913	69.1	113	18	1.30	6	16	9	6	w
1914	72.4	118	32	0.52	3	16	10	5	w
Entire period	70.8	119	14	0.41	2	21	6	4	w

CORRECTIONS.

May, 1914.—Cathedral Park, Cal., one day missing.

June, 1914.—Marlette Lake, one day missing; Paradise Valley, two days missing; Sand Pass, number of cloudy days, 6; McDermit, number of days with .01 or more precipitation, 9.

LATE REPORTS.

June.—Geyser, Lincoln County, mean temperature 51.2, highest 89 on 11th and 13th, lowest 10 on 7th and 9th, total precipitation 0.21 inch, number of rainy days 4, clear 14, partly cloudy 15, cloudy 1.

Jean, Clark County, mean temperature 81.0, highest 106 on 29th, lowest 57 on 9th, total precipitation trace, number of clear days 21, partly cloudy 7, cloudy, 2.

Quinn River Ranch, Humboldt County, mean temperature 62.1, highest 96 on 17th and 29th, lowest 27 on 23d, total precipitation 0.66 inch, number of rainy days 4, clear 8, partly cloudy 8, cloudy 6, missing 8.

Logan, Clark County, mean temperature 80.0, highest 112 on 28th, lowest 49 on 8th, total precipitation 0.06 inch, number of rainy days 2, clear 23, partly cloudy 4, cloudy 3.

Climatological data for July, 1914.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation, in inches. Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted.)	Number of days With precipitation (0.01 inch or more.)	Clear.	Partly cloudy.	Cloudy.	Prevailing direction of the wind.	Observers.
Columbia Basin.																					
Gold Creek [b]	Elko	6,600	1	62.0	......	86	†13	35	22	47	1	0.57	......	0.28	0	4	13	14	2	n	Forest Supervisor.
Jack Creek	do	6,300	1	......	......	......	......	......	......	......	1	0.20	......	0.16	0	2	14	17	0	w	C. E. Butler.
Owyhee	do	5,400	3	67.8	......	91	†20	39	22	46	3	0.96	......	0.43	0	6	16	12	3	se	Frank Weber.
San Jacinto	do	5,200	9	66.2	+0.8	93	†6	39	22	45	9	1.20	+0.79	0.48	0	5	22	7	2	s	J. S. Parmley.
Humboldt Basin.																					
Arthur	Elko	6,500	......	......	......	......	......	......	......	......	4	1.60	......	0.40	0	6	11	13	7	......	Isaac Woodhouse.
Battle Mountain	Lander	4,513	43	76.2	+1.3	101	†15	49	7	50	45	0.10	−0.08	0.10	0	1	17	0	14	se	Southern Pacific Co.
Beowawe	Eureka	4,695	43	......	......	......	......	......	......	......	45	......	......	......	......	......	......	......	......	......	Do.
Carlin	Elko	4,897	43	67.4	−4.1	93	2	40	†1	51	43	0.47	+0.29	0.25	0	3	9	19	3	w	Western Pacific Co.
Clover Valley	do	6,000	13	68.2	−7.3	91	†30	42	9	45	21	0.48	+0.23	0.48	0	1	3	24	4	nw	I. F. Wiseman.
Dry Farm	do	5,600	2	68.8	......	89	†8	35	21	46	5	0.37	......	0.35	0	2	9	19	3	sw	Walfrid Sohlman.
Elko	do	5,063	43	70.8	+0.6	97	28	42	22	49	44	0.33	−0.01	0.18	0	3	20	10	1	sw	Western Pacific Co.
Eureka	Eureka	6,837	16	68.4	−2.3	91	18	45	5	41	18	1.49	+0.62	0.53	0	11	4	11	16	s	Clay Simms.
Golconda	Humboldt	4,392	35	75.2	+0.7	94	†24	40	5	49	37	0.50	+0.30	0.50	0	1	27	2	2	......	Southern Pacific Co.
Halleck	Elko	5,229	21	71.6	+1.4	93	16	46	1	40	45	T.	−0.25	T.	0	0	1	23	7	sw	Do.
Hylton	do	7,081	......	......	......	......	......	......	......	......	4	0.21	......	0.13	0	2	18	13	0	......	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	1	76.8	+1.0	96	†20	50	†23	45	1	T.	−0.16	T.	0	0	27	4	0	......	Southern Pacific Co.
Lovelocks	do	3,977	20	......	......	......	......	......	......	......	18	......	......	......	......	......	......	......	......	......	High School.
Metropolis	Elko	......	1	71.0	......	96	29	43	22	44	5	0.61	......	0.20	0	5	2	11	18	sw	O. M. Lloyd.
North Fork	do	6,500	......	......	......	......	......	......	......	......	5	1.09	......	0.60	0	5	4	12	15	s	Chas. Pratt.
Paradise Valley	Humboldt	4,500	1	68.8	......	96	29	42	†9	51	5	0.22	......	0.17	0	3	23	8	0	sw	R. M. Taylor.
Potts	Nye	5,040	21	......	......	......	......	......	......	......	23	......	......	......	......	......	......	......	......	......	Miss Maud Potts.
Rochester	Humboldt	7,300	1	......	......	......	......	......	......	......	1	......	......	......	......	......	......	......	......	......	S. G. Nims.
Rose Creek	do	6,350	......	......	......	......	......	......	......	......	4	......	......	......	......	......	......	......	......	......	Henry Salvai.
Shafter	Elko	5,583	1	65.8	......	90	†12	39	23	49	1	0.68	......	0.28	0	7	21	10	0	w	Geo. Kernan.
Tecoma	do	4,812	36	65.6	−6.7	97	1	32	23	60	37	1.14	+0.95	0.56	0	6	11	16	4	w	Southern Pacific Co.
Wells	do	5,631	42	73.6	+3.1	93	13	41	1	45	45	0.59	+0.32	0.16	0	9	16	5	10	......	Do.
Winnemucca	Humboldt	4,344	35	72.0	+0.4	96	19	46	9	46	45	0.19	+0.02	0.17	0	3	18	12	1	sw	U. S. Weather Bureau.
Truckee Basin.																					
Fernley	Lyon	4,150	41	73.8	−2.9	99	29	43	22	51	45	0.32	+0.08	0.20	0	2	22	9	0	......	Mrs. G. A. Steele.
Glenbrook	Douglas	6,240	5	......	......	......	......	......	......	......	5	......	......	......	......	......	......	......	......	......	C. C. Henningsen.
Lewers Ranch	Washoe	5,500	26	67.0	−1.0	91	†14	44	†4	44	27	0.00	−0.22	0.00	0	0	3	26	2	......	Ross Lewers.
Marlette Lake	do	7,900	......	......	......	......	......	......	......	......	1	0.00	......	0.00	0	0	18	8	5	w	V. & G. H. Water Co.
Reno	do	4,532	27	70.6	+3.1	94	31	49	4	41	27	T.	−0.14	T.	0	0	25	5	1	w	U. S. Weather Bureau.
Bijou, Cal	Eldorado	6,230	......	......	......	......	......	......	......	......	5	0.12	......	0.09	0	2	......	......	......	......	Chas. Young.
Cathedral Park, Cal	do	6,400	2	......	......	......	......	......	......	......	2	......	......	......	......	......	......	......	......	......	Carl Fluegge.
Deer Park, Cal [a]	Placer	6,500	......	......	......	......	......	......	......	......	5	T.	......	T.	0	0	19	10	1	......	Miss Katherine Chandler
Hobart Mills, Cal	Nevada	5,900	......	......	......	......	......	......	......	......	5	0.10	......	0.10	0	1	27	1	3	s	S. E. Patterson.
McKinneys, Cal	Placer	6,225	5	......	......	......	......	......	......	......	5	0.08	......	0.08	0	1	22	7	2	s	Fred Jensen.
Tahoe, Cal	do	6,240	6	58.0	......	79	†16	35	5	40	6	0.00	......	0.00	0	0	30	0	1	w	Robert Watson.
Tallac, Cal	Eldorado	6,230	......	......	......	......	......	......	......	......	5	0.20	......	0.20	0	1	9	22	0	sw	J. H. Pomin.
Carson Basin.																					
Fallon	Churchill	3,965	20	73.4	−0.1	97	26	50	22	45	20	T.	−0.18	T.	0	0	20	10	1	ne	U.S. Experiment Station.
Gardnerville [f]	Douglas	4,830	23	65.3	−2.3	89	16	40	30	44	24	T.	−0.33	T.	0	0	19	2	4	w	Forest Service.
Lahontan	Churchill	4,200	2	79.0	......	100	18	54	21	38	4	0.09	......	0.05	0	2	24	6	1	w	U.S. Reclamat'n Service.
Markleeville, Cal	Alpine	5,525	......	......	......	......	......	......	......	......	5	0.39	......	0.23	0	2	21	9	1	s	Mrs. Mary Thornburg.
Woodfords, Cal	do	5,634	......	......	......	......	......	......	......	......	5	......	......	......	......	......	......	......	......	......	G. P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	7	79.0	+1.4	96	†2	48	22	41	18	1.58	+1.27	0.80	0	4	9	0	22	......	Southern Pacific Co.
Smith	Lyon	4,800	......	......	......	......	......	......	......	......	6	0.58	......	0.35	0	3	20	8	3	sw	C. M. Carter.
Thorne §	Mineral	4,200	1	75.6	−0.8	98	†2	50	1	45	1	T.	−0.17	T.	0	0	24	7	0	......	Southern Pacific Co.
Yerington §	Lyon	4,375	5	69.4	−2.1	91	†2	45	30	46	5	0.21	+0.07	0.20	0	2	16	10	5	sw	High School.
Bridgeport, Cal	Mono	6,500	1	59.6	......	85	14	30	7	52	3	0.32	......	0.30	0	2	21	3	5	w	A. F. Scott.
Lundy, Cal	do	8,000	......	......	......	......	......	......	......	......	5	T.	......	T.	0	0	16	7	8	w	J. M. Duffy.
Shields Ranch, Cal	do	5,300	......	......	......	......	......	......	......	......	5	0.37	......	0.30	0	2	15	13	3	......	Frank W. Chichester.
Colorado Basin.																					
Caliente	Lincoln	4,407	4	74.4	......	102	†6	44	29	50	4	0.10	......	0.10	0	1	26	0	5	sw	Salt Lake Route.
Indian Springs ††	Clark	3,136	1	83.1	......	103	2	57	22	37	1	0.24	......	0.24	0	1	21	10	0	w	Ira McFarland.
Lake Valley	Lincoln	......	1	67.2	......	92	1	36	1	56	1	1.13	......	0.61	0	5	11[a]	14[a]	5[a]	s	Lake View Farming Co.
Las Vegas	Clark	2,033	12	84.4	+2.7	107	8	60	6	44	12	1.40	+1.03	0.74	0	3	13	7	11	s	C. P. Squires.
Logan §	do	1,355	7	86.8	−0.3	111	7	62	†5	48	15	0.20	−0.08	0.12	0	3	21	9	1	s	Orin W. Jarvis.
Minor Basins.																					
Cherry Creek	White Pine	6,450	6	70.0	......	94	13	46	5	44	6	1.26	......	0.59	0	11	15	14	2	w	J. H. Leishman.
Columbia	Esmeralda	5,700	7	71.2	......	100	15	45	22	44	9	0.40	......	0.15	0	4	20	4	7	se	A. Booth.
Gerlach	Washoe	3,931	2	......	......	......	......	......	......	......	2	......	......	......	......	......	......	......	......	......	Western Pacific Co.
Geyser	Lincoln	6,055	10	......	......	......	......	......	......	......	10	......	......	......	......	......	......	......	......	......	Mrs. J. F. Wambolt.
Jean	Clark	2,864	6	90.8	......	107	9	74	†1	32	7	0.03	......	0.03	0	1	21	8	2	sw	Salt Lake Route.
Leeland	Nye	2,500	1	87.7	......	118	17	59	5	52	1	0.30	......	0.25	0	2	15	5	11	......	Agent T. & T. R. R. Co.
Lida	Esmeralda	6,037	2	68.0	......	88	1	45	22	36	2	0.30	......	0.20	0	3	24	0	7	e	L. F. Detwiler.
McDermit	Humboldt	4,700	24	69.3	−4.4	94	31	40	21	41	24	T.	−0.30	T.	0	0	27	4	0	sw	F. M. Bullock.
McGill §	White Pine	6,338	4	71.4	+3.2	92	†7	48	22	39	4	0.72	+0.10	0.47	0	4	19	7	5	s	R. E. Middagh.
Millett	Nye	6,002	6	67.6	......	90	†1	42	13	45	7	1.21	......	0.96	0	2	12	9	10	s	Fred J. Jones.
Oasis Ranch §	Esmeralda	5,106	2	71.0	+2.6	96	1	46	†22	46	2	0.84	+0.38	0.50	0	4	15	16	0	s	A. S. Patterson.
Pahrump	Nye	2,668	1	......	......	......	......	......	......	......	1	......	......	......	......	......	......	......	......	......	F. A. Buol.
Quinn River Ranch †† [g]	Humboldt	4,850	12	70.4	+1.6	102	29	42	......	54	13	0.15	−0.03	0.15	0	1	15	9	0	w	F. M. Payne.
Rebel Creek	do	4,300	2	72.2	......	97	12	46	20	40	3	0.40	......	0.40	0	1	14	14	3	sw	Mrs. E. J. Hyatt.
Rhyolite	Nye	3,680	1	......	......	......	......	......	......	......	1	......	......	......	......	......	......	......	......	......	Chas. Kirchen.
Sand Pass	Washoe	4,198	1	77.0	......	111	19	51	†3	55	1	0.44	......	0.44	0	1	25	3	3	w	Western Pacific Co.
Searchlight	Clark	3,445	1	82.0	......	101	7	63	†10	30	1	1.10	......	0.61	0	3	8	16	7	s	C. L. Aug. Mahn.
Sharp	Nye	......	1	69.5	......	93	12	37	10	47	1	1.70	......	0.79	0	6	12	15	4	w	F. A. Sears.
Tonopah	do	6,090	9	72.0	......	90	1	48	21	27	9	0.59	......	0.30	0	7	16	13	2	se	U. S. Weather Bureau.
For the State		......	......	72.4	−0.6	118	17	32	23	60	......	0.52	+0.14	0.96	0	3	16	10	5	w	

Estimated and incomplete data not considered in means.

All other data are considered in determining section means, but the mean departures from the normal temperature and precipitation are based on records from statio that have ten or more years of observations, except when marked § which indicates that data from nearby stations were used in determining normals.

Reference letters a, b, c, appearing in the table indicate number of days missing; for example, b represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for July, 1914.

Stations.	Day of month.																															Total.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia Basin.																																
Gold Creek			.03	.02							.21									T.								.28				0.54
Jack Creek			T.							T.	.04	T.							T			T.	.16				T	T		T	T	0.20
Owyhee			.43	.01						T										.20		.25	.01						.06			0.96
San Jacinto		.07		.48						.30				.15														.20				1.20
Humboldt Basin.																																
Arthur				.40						.40	.10									T	.10	T	.40								.20	1.60
Battle Mountain ǁǁ			T.																	.10												0.10
Beowawe ǁǁ											.48																					0.48
Carlin			.25		.14							.08								T.												0.47
Clover Valley																																
Dry Farm																					.35		.02									0.37
Elko						.08					.13																				.12	0.33
Eureka	.17		.21								.08								.13	.08	.53	.08		T.	.02	.09		.06			.04	1.49
Golconda																				.50												0.50
Halleck													T.																			T.
Hylton																				.08	.13											0.21
Imlay																					T.	T.										T
Metropolis	T.	T.	T.	.20	T.	T.				.13	T.		.08						T.	.02	.18	T.	T.					T.				0.61
North Fork			.23							.03	.20	.03										.60										1.09
Paradise Valley			.04	.01						T.									T.	.17		T.	T.			T.		T.				0.22
Potts																																
Rochester																																
Rose Creek																																
Shafter		.02		.05					.02	.04			.10							.17			.28									0.68
Tecoma			.03	.56									.15							.10		.08	.22									1.14
Wells				.16	.07						.11	.03		.08						.04	.03		.04					.03				0.59
Winnemucca***			.17								T.								.01	.01		T.				T.						0.19
Truckee Basin.																																
Fernley				.12																	T.						.20					0.32
Glenbrook																																
Lewers Ranch																																0.00
Marlette Lake ǁǁ																																0.00
Reno ***																						T.							T.			T.
Bijou, Cal									.09										.03													0.12
Cathedral Park, Cal																																
Deer Park, Cal																	T.															T.
Hobart Mills, Cal									.10																							0.10
McKinneys, Cal									.08																							0.08
Tahoe, Cal																																0.00
Tallac, Cal									.20										T.													0.20
Carson Basin.																																
Fallon																										T.	T.					T.
Gardnerville									T.																							T.
Lahontan ǁǁ																					.04						.05					0.09
Markleeville, Cal									.16											.23												0.39
Woodfords, Cal																																
Walker Basin.																																
Mina																						.06	.07			.65	.80					1.58
Smith																			.03		.20					.35						0.58
Thorne																											T.					T.
Yerington																			T.		.20	T.			T.		.01					0.21
Bridgeport, Cal									T.										.30	.02												0.32
Lundy, Cal																												T.				T.
Shields Ranch, Cal									.07										.30													0.37
Colorado Basin.																																
Caliente																.10																0.10
Indian Springs																					.24											0.24
Lake Valley			.41					.03	.61	.03										T.						T.			.05		T.	1.13
Las Vegas									.74						.60				.06		T.										T.	1.40
Logan									.01	T.																	.12				.07	0.20
Minor Basins.																																
Cherry Creek	.05	.03		.02								.02	.04						.01	.36	.59	.06	.02			.06						1.26
Columbia				.01																.15	.14				.10							0.40
Gerlach																																
Geyser																																
Jean							T.								.03																	0.03
Leeland																.25				.05												0.30
Lida																	T.		.07	.03	.20										T.	0.30
McDermit			T.							T.																						T.
McGill			.01						.04											.20	.47											0.72
Millett																			.96	T.						.25	T.				T.	1.21
Oasis Ranch			T.														T.	.02	T.	.02	.30						.50					0.84
Pahrump																																
Quinn River Ranch																																
Rebel Creek			.40							T.	T.								T.										T.			0.40
Rhyolite																																
Sand Pass																			.44													0.44
Searchlight									T.	.61					T.	T.									.47					.02	T.	1.10
Sharp									.07							.79				.40	.24				.10						.10	1.70
Tonopah***									.01									.30	.16	.04	.06				.01	.01						0.59

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight.

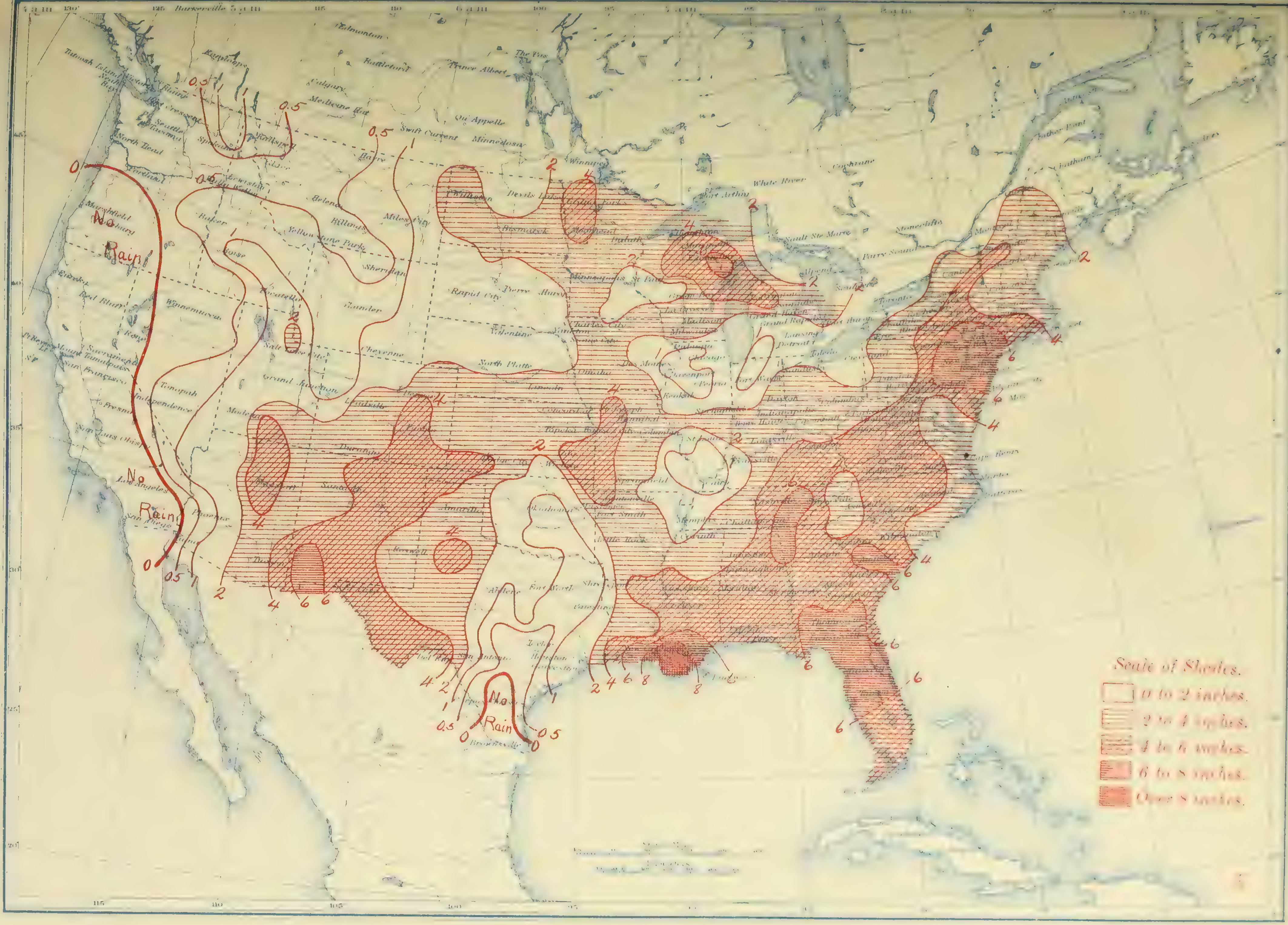
ǁǁ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

T. Trace, or less than 0.01 inch.

Daily temperatures for July, 1914.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek	Maximum	82	81	81	74	....	83	....	84	75	78	80	82	86	83	78	80	80	81	85	80	79	78	80	84	84	83	84	81	84	86	82	81.3
	Minimum	43	44	40	48	....	38	....	42	45	42	44	40	45	52	40	40	38	40	38	45	41	35	37	43	42	41	40	55	43	45	54	42.8
Owyhee	Maximum	82	86	84	78	79	84	82	86	81	81	85	87	87	84	82	82	86	85	87	91	76	76	81	86	85	84	85	85	90	91	88	84.1
	Minimum	45	52	54	55	44	64	51	46	49	59	64	65	52	49	48	46	42	55	41	52	46	39	45	52	52	52	55	54	52	64	57	51.6
San Jacinto	Maximum	90	88	89	88	86	93	90	91	85	83	86	83	88	86	80	74	78	89	93	88	65	74	79	89	89	72	71	78	86	89	88	83.8
	Minimum	46	45	44	45	46	49	47	48	47	55	55	52	50	49	46	46	49	44	54	57	41	39	42	44	46	55	55	56	49	52	54	48.6
Humboldt Basin.																																	
Battle Mountain §§	Maximum	98	99	86	92	92	98	99	99	92	91	96	97	95	95	101	98	98	101	95	91	90	92	95	98	97	96	94	94	90	100	100	95.5
	Minimum	60	68	52	52	57	56	49	51	75	62	60	57	54	55	60	60	54	54	55	55	50	57	54	56	54	59	56	56	55	55	67	56.9
Beowawe §§	Maximum	80	86	80	82	78	82	86	88	80	85	82	87	88	86	87	82	87	90	88	87	85	84	87	86	90	89	88	83	90	91	91	85.6
	Minimum	49	54	61	52	50	46	50	48	42	61	53	56	55	48	50	54	49	49	51	50	48	50	47	48	45	46	47	63	52	49	53	50.8
Carlin	Maximum	90	93	88	90	85	88	90	90	90	86	88	90	88	90	88	90	90	92	90	88	90	88	86	88	90	88	90	92	90	88	90	89.2
	Minimum	40	42	53	46	45	50	48	42	43	56	50	44	46	48	45	50	48	48	50	51	48	40	42	40	44	40	43	44	42	42	43	45.6
Dry Farm	Maximum	84	85	83	80	81	85	86	89	83	79	84	89	89	86	86	83	85	87	86	83	81	76	80	87	82	82	80	85	86	89	84	84.0
	Minimum	48	45	46	48	49	50	66	51	59	52	54	51	65	57	58	51	56	50	55	62	35	41	50	52	62	59	54	52	52	62	66	53.5
Elko	Maximum	92	92	93	94	91	85	84	95	93	90	93	90	90	93	93	92	94	93	92	92	90	82	88	92	93	92	92	97	93	93	92	91.6
	Minimum	52	52	50	52	51	48	50	49	50	55	51	50	51	50	50	48	45	47	48	48	51	42	48	48	46	48	48	60	47	56	60	50.1
Eureka	Maximum	86	85	79	78	86	86	88	89	87	82	84	88	88	87	87	87	89	91	87	83	71	79	83	86	81	81	85	84	87	90	84	84.8
	Minimum	50	51	55	48	45	47	56	53	50	53	52	51	57	52	50	47	50	51	63	48	47	47	49	56	56	55	49	54	53	57	62	52.1
Golconda	Maximum	90	93	91	85	89	84	88	87	89	87	85	90	88	89	93	87	91	90	93	75	86	85	86	94	92	91	92	93	92	94	86	88.9
	Minimum	61	50	51	42	40	67	60	61	65	61	62	61	58	70	67	59	62	63	62	56	60	60	66	71	73	63	72	62	63	69	74	61.6
Halleck	Maximum	86	88	87	88	78	90	87	72	87	90	75	90	92	92	90	93	90	91	92	86	89	72	72	90	91	92	90	89	82	92	86	86.7
	Minimum	46	50	50	49	49	52	52	54	56	58	60	63	64	64	62	61	62	58	56	50	54	56	52	60	60	52	58	60	60	60	61	56.4
Imlay	Maximum	91	90	90	82	84	88	90	92	95	92	90	89	88	90	92	92	88	93	95	96	88	85	92	93	92	91	92	93	95	93	96	90.9
	Minimum	70	62	64	60	60	61	65	68	70	72	70	68	62	65	70	72	69	72	73	77	68	51	50	52	52	55	51	58	50	54	56	62.8
Metropolis	Maximum	90	90	83	83	87	89	90	91	75	82	89	92	93	91	91	89	90	93	94	87	74	80	84	91	86	88	90	90	96	90	88	87.9
	Minimum	58	57	57	55	49	56	56	51	53	56	58	55	61	53	56	47	47	50	54	55	50	43	46	56	52	56	50	63	52	62	62	54.1
Paradise Valley	Maximum	90	92	90	84	85	91	87	88	89	87	92	92	90	89	90	87	91	94	95	88	81	84	87	92	91	90	90	92	96	94	94	89.7
	Minimum	52	53	58	47	44	45	51	44	42	52	53	51	48	48	45	47	42	45	51	53	42	49	45	43	47	43	48	57	45	51	46	48.0
Shafter	Maximum	86	86	82	77	80	86	89	86	75	80	84	90	89	90	88	86	90	88	89	83	70	81	80	83	85	85	86	87	89	88	88	84.7
	Minimum	46	46	46	53	40	40	45	45	68	43	47	42	56	56	46	48	46	41	40	47	46	45	39	41	43	47	46	55	52	52	51	47.0
Tecoma	Maximum	97	95	90	90	82	85	90	93	95	90	88	88	94	94	93	90	90	93	94	95	90	80	83	90	90	92	91	94	94	92	90	90.7
	Minimum	42	35	40	45	35	39	40	42	49	42	35	40	48	45	40	35	34	40	40	50	37	35	32	35	39	40	42	48	42	42	50	40.6
Wells	Maximum	85	88	86	89	87	89	90	92	90	89	90	92	93	90	89	87	89	90	91	86	87	84	85	90	87	88	90	87	90	89	90	88.7
	Minimum	41	43	46	50	46	51	60	61	60	61	60	62	66	60	62	61	64	64	61	59	63	50	60	62	63	61	64	62	64	63	60	58.4
Winnemucca	Maximum	90	94	90	84	87	91	88	88	89	89	92	92	89	89	90	87	90	93	96	86	83	85	89	91	91	89	90	90	94	94	94	89.8
	Minimum	59	59	57	53	51	51	58	57	46	61	59	54	53	54	54	58	51	51	60	55	50	54	53	48	52	54	54	60	48	53	51	54.1
Truckee Basin.																																	
Fernley	Maximum	92	93	95	97	93	90	90	88	90	95	98	92	87	95	95	92	94	98	93	88	89	94	93	95	93	92	93	92	99	97	97	93.2
	Minimum	58	57	63	53	59	58	49	50	49	51	60	59	56	59	54	60	64	56	45	45	45	43	63	53	50	51	54	52	59	57	59	54.5
Lewers Ranch	Maximum	85	86	81	77	82	82	79	85	83	83	81	81	89	91	90	91	91	85	87	80	81	83	85	83	84	86	85	83	90	88	90	84.5
	Minimum	55	49	51	44	46	47	45	44	45	44	63	62	48	52	54	52	51	56	54	51	47	45	49	47	48	51	52	49	47	45	46	49.6
Reno	Maximum	91	89	87	81	85	88	85	85	85	89	89	87	84	90	93	92	92	93	87	82	83	86	88	90	87	86	88	87	91	90	94	87.9
	Minimum	57	57	56	49	51	53	58	49	49	49	54	50	53	52	56	59	54	56	58	55	51	51	53	52	55	53	52	54	51	49	55	53.3
Tahoe, Cal.	Maximum	73	74	73	74	75	73	75	75	74	73	74	74	75	75	76	79	77	79	77	73	72	73	78	79	78	78	79	78	79	77	79	75.7
	Minimum	40	39	40	41	35	39	40	37	39	39	40	39	40	39	45	46	44	43	51	44	39	38	40	42	40	40	40	38	39	58	39	40.4
Carson Basin.																																	
Fallon	Maximum	92	96	95	88	90	94	92	91	90	92	94	93	91	92	94	91	94	96	96	91	86	88	92	95	94	97	93	95	96	96	96	92.9
	Minimum	56	55	61	52	53	54	60	53	51	51	55	52	53	52	55	59	54	52	55	55	54	50	55	53	52	55	54	53	54	51	55	54.0
Gardnerville	Maximum	85	84	84	....	....	83	83	80	77	82	79	....	82	84	86	89	86	88	....	82	80	80	83	84	....	....	84	82	84	84	86	83.2
	Minimum	48	49	50	....	....	44	54	49	47	43	49	....	42	49	48	54	49	47	....	46	50	47	49	47	....	....	46	48	45	40	46	47.4
Lahontan §§	Maximum	95	97	96	89	94	95	92	94	90	94	94	94	91	95	96	94	95	100	99	90	89	91	95	98	95	93	97	96	99	97	97	94.5
	Minimum	66	65	59	63	62	68	63	65	59	62	65	63	66	70	69	62	65	68	61	60	54	65	63	62	63	63	60	62	61	65	71	63.5
Walker Basin.																																	
Mina	Maximum	95	96	93	91	93	91	94	94	95	91	93	91	95	95	93	95	94	96	93	90	82	89	93	95	92	90	92	92	96	95	93	92.8
	Minimum	62	64	81	68	67	62	60	56	56	58	78	76	68	66	67	70	71	70	78	70	58	48	58	60	56	62	56	55	59	68	79	65.1
Thorne	Maximum	95	98	95	91	91	96	93	92	89	92	96	97	98	93	94	95	95	93	98	92	85	88	95	98	93	92	92	95	95	95	96	93.8
	Minimum	50	65	65	56	56	58	57	57	54	54	58	57	58	58	57	58	59	55	60	56	57	51	57	60	62	60	59	54	56	58	59	57.5
Yerington	Maximum	89	91	89	85	86	89	88	86	87	86	89	91	87	88	90	88	88	91	90	85	81	84	89	91	90	85	86	89	89	91	90	88.0
	Minimum	54	56	57	47	49	51	56	48	49	49	50	46	51	51	51	59	51	52	54	50	48	50	51	50	52	46	51	49	50	45	48	50.7
Bridgeport, Cal.	Maximum	82	80	82	75	78	80	82	78	72	81	80	80	79	85	83	80	83	82	76	72	72	80	78	81	80	78	80	82	79	81	82	79.5
	Minimum	38	40	42	35	40	39	30	38	42	36	38	33	34	40	40	48	43	40	54	39	38	39	42	40	42	44	40	40	39	35	40	39.6
Colorado Basin.																																	
Caliente	Maximum	94	94	96	96	100	102	102	100	98	100	95	98	100	95	95	95	95	90	90	94	94	100	102	100	100	95	95	90	87	85	85	95.5
	Minimum	50	50	52	54	50	55	55	52	50	55	50	52	55	60	55	60	55	60	60	50	50	55	57	60	60	55	55	48	44	45	45	53.4
Indian Springs	Maximum	101	103	100	102	98	101	103	100	97	98	97	95	110	95	97	95	96	98	100	98	86	92	94	96	95	93	92	99	98	99	94	97.2
	Minimum	79	79	77	80	76	77	79	70	70	71	66	78	64	65	69	69	67	64	64	70	65	57	60	62	62	70	66	65	66	62	71	69.0
Lake Valley	Maximum	92	86	86	82	86	86	86	90	76	78	84	87	87	85	86	87	89	90	88	80	76	75	81	88	87	80	86	85	83	87	88	84.7
	Minimum	36	47	48	44	46	51	51	53	52	58	52	51	53	51	54	51	56	52	52	48	46	48	44	40	52	53	48	53	50	53	52	49.8
Las Vegas	Maximum	106	103	100	101	103	104	102	107	89	92	100	104	105	99	99	96	102	102	103	100	96	97	102	101	97	95	99	103	103	102	98	100.3
	Minimum	75	75	65	65	62	60	67	68	76	64	64	65	69	72	70	68	74	70	71	69	74	66	66	67	75	64	68	69	69	66	70	68.5
Logan	Maximum	108	104	101	102	108	105	111	110	95	97	105	107	107	97	101	101	106	107	108	103	98	100	105	108	101	102	102	105	104	103	100	103.6
	Minimum	72	80	71	71	62	63	63	67	71	71	66	70	80	78	74	70	72	73	68	75	75	62	66	68	65	66	69	70	70	72	72	70.1
Minor Basins.																																	
Cherry Creek	Maximum	85	87	80	83	90	91	90	92	77	85	87	91	94	93	89	90	91	92	85	82	68	73	79	90	86	82	90	83	85	90	87	86.0
	Minimum	56	50	53	53	46	52	53	52	61	54	53	52	58	61	55	56	51	53	54	52	49	48	49	52	60	56	48	59	53	60	65	54.0
Columbia	Maximum	94	92	90	89	88	89	90	92	89	86	91	92	92	98	100	95	95	95	95	92	90	89	95	98	87	87	87	90	91	93	83	88.4
	Minimum	57	58	56	55	51	51	60	55	58	55	53	55	58	51	59	62	62	56	57	58	52	45	52	55	62	59	51	51	54	55	65	53.9
Gerlach	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Jean	Maximum	106	105	103	106	103	98	99	101	107	105	101	100	104	104	103	102	100	103	102	100	101	101	104	103	100	101	101	100	98	103	105	102.2
	Minimum	74	79	82	84	79	74	76	78	72	86	85	79	81	81	75	75	74	76	76	78	77	79	83	82	80	77	75	79	82	87	87	79.4
Leeland	Maximum	107	112	110	111	101	116	105	107	109	107	110	104	116	112	118	117	118	110	115	110	105	108	111	107	110	110	113	114	110	115	108	107.3
	Minimum	67	68	72	64	59	62	66	68	79	63	73	69	68	64	71	76	69	68	72	70	74	62	64	67	66	73	67	65	64	66	75	68.1
Lida	Maximum	88	80	84	82	82	84	85	85	84	83	79	84	86	84	85	86	85	84	87	80	73	78	82	84	83	82	84	84	85	86	80	83.2
	Minimum	60	54	56	52	51	56	57	54	52	51	53	51	50	52	52	58	56	56	52	54	53	45	49	50	52	52	48	54	50	50	59	52.9
McDermit	Maximum	85	85	88	81	83	88	86	84	85	86	88	87	84	84	85	85	86	91	92	85	79	84	86	88	87	88	87	88	92	90	94	86.5
	Minimum	51	62	60	52	50	53	52	51	51	57	54	50	53	52	50	44	49	50	61	52	40	48	49	50	49	50	50	55	60	54	57	52.1
McGill	Maximum	86	91	78	80	86	88	92	89	85	83	87	90	90	91	90	91	90	92	88	82	81	79	87	88	78	83	84	87	84	91	87	86.4
	Minimum	52	57	58	54	49	52	59	60	58	54	57	57	63	62	61	58	58	55	61	54	53	48	49	49	62	59	51	59	51	61	65	56.3
Millett	Maximum	90	89	85	86	86	89	88	88	86	84	86	88	86	89	88	89	89	90	90	83	73	81	85	90	83	77	87	90	89	88	87	86.4
	Minimum	50	48	50	48	43	55	49	45	45	45	46	49	42	46	50	56	50	48	57	49	48	43	48	45	54	56	48	49	48	48	58	48.9
Oasis Ranch	Maximum	97	93	89	91	89	93	93	89	87	93	91	94	96	94	88	85	91	88	89	81	79	83	90	89	88	86	91	91	92	88	84	89.4
	Minimum	55	55	51	47	52	52	56	55	56	49	55	49	58	49	51	57	58	56	50	54	50	46	52	51	54	53	52	51	46	50	62	52.6
Rebel Creek	Maximum	89	91	90	90	85	91	86	85	86	88	90	97	90	87	90	87	87	92	87	82	90	89	90	91	90	90	90	91	92	92	92	89.
	Minimum	56	55	59	51	50	56	55	53	51	58	60	60	54	60	60	54	57	58	58	46	51	54	50	57	56	52	54	59	55	52	54	55.
Sand Pass	Maximum	100	98	96	102	98	106	92	94	93	102	93	95	100	103	97	95	105	106	111	87	89	90	94	97	92	100	91	103	107	106	106	98.
	Minimum	57	60	51	56	57	56	59	52	51	53	55	54	53	55	59	64	57	58	57	57	56	56	56	51	52	56	56	55	52	61	55	55.
Searchlight	Maximum	97	94	87	93	95	98	101	100	92	88	94	97	97	87	86	89	97	95	100	92	91	92	96	95	90	87	92	96	95	90	90	93.
	Minimum	72	73	69	65	65	73	77	77	71	63	68	71	73	71	71	63	72	74	75	72	71	68	70	75	70	68	68	73	71	74	69	70.
Sharp	Maximum	91	91	82	86	86	88	91	92	88	84	91	93	92	88	85	90	84	85	85	78	72	77	83	87	80	83	85	88	87	89	85	85.
	Minimum	53	54	57	51	50	55	50	45	48	37	52	52	57	52	52	57	57	54	57	52	51	42	59	58	59	55	53	53	57	56	61	53.
Tonopah	Maximum	90	88	84	83	82	82	85	88	82	79	81	83	85	86	88	87	88	85	82	78	68	78	84	84	80	79	83	85	86	88	78	83.
	Minimum	66	67	64	61	57	62	64	61	57	55	59	61	65	60	61	66	65	65	62	55	48	54	62	61	61	57	63	58	63	65	60	60.

a, b, c, etc., indicates respectively 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
No Rain
No Rain
No Rain

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OCT 1914

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

NEVADA SECTION

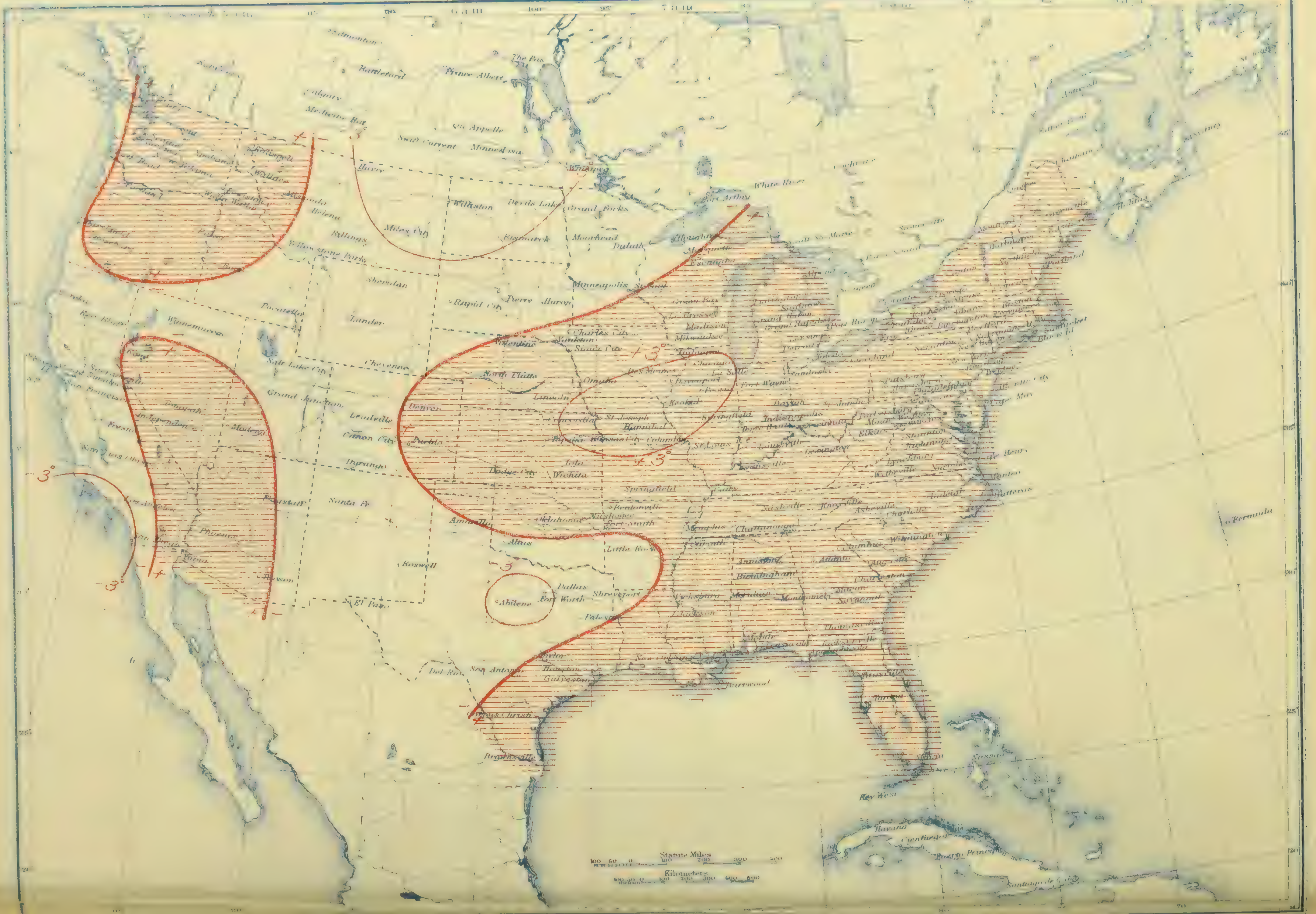
AUGUST, 1914

BY

HENRY F. ALCIATORE
SECTION DIRECTOR

RENO, NEV.
WEATHER BUREAU OFFICE
SEPTEMBER 23, 1914.

Departure of the Mean Temperature from the Normal, August, 1914



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALCIATORE, Section Director.

Vol. XXIX. Reno, Nevada, August, 1914. No. 8.

GENERAL SUMMARY.

This has been the warmest August weather experienced since 1898. The temperature was unusually high from the 3d to the 5th, and also from the 10th to the 13th. The maximum temperature recorded at Leeland, viz., 122 degrees, broke the State record for August. During the period from the 18th to the 21st, unseasonably cool weather prevailed in some localities. Killing frosts occurred at Geyser (elevation, 6055 feet) on the 18th, 19th, and 20th. The minimum temperature recorded at that place, namely, 14 degrees, is the lowest observed in this Section in August since the beginning of observations. Of the 23 stations for which normals are available, 13 reported an excess in temperature, and 10 a deficiency.

The amount of sunshine received in the northern district was considerably above the normal, while in the other districts it was about the average.

Most of the month's precipitation occurred during the first nine days. There was practically no rainfall between the 10th and 26th. At 24 out of 55 stations reporting, there was no precipitation, or only a few sprinkles. As compared with the normal, an excess is noted at San Jacinto and Gardnerville; at all the other stations the rainfall was deficient.

One of the severest electrical storms on record is reported by the "Tonopah Bonanza" as having occurred on the 16th in the region between Tonopah and Millers. The long distance power transmission lines of the Nevada-California Power Company in the vicinity of Silver Peak, Alkali and Millers were damaged by lightning, many of the 150-pound insulators having been shattered. The Rhyolite line in Tule canyon was out of commission for 20 hours. A strange feature of this storm was that not a drop of rain fell during the electrical display.

On the whole the weather has been very favorable for harvesting the hay crops, which are unusually large this year. All the grain crops are promising; wheat threshing has begun earlier than usual in some localities. The potato crop has deteriorated somewhat, due to hot weather. Ranges are in good condition, except in some of the central districts. The supply of water for irrigation has been ample.

PRESSURE.

The barometric pressure was somewhat higher than usual during the first four days of the month, and about the normal thereafter.

TEMPERATURE.

The monthly mean temperature for the State, as shown by the records of 41 stations, was 72.5 degrees. The mean for the 23 stations having ten or more years record was 0.2 degree above the normal. The highest temperature recorded was 122 degrees, at Leeland, on the 12th and 18th; the lowest was 14 degrees, at Geyser, on the 18th and 20th.

HUMIDITY.

The mean relative humidity at the three regular Weather Bureau stations, based on 5 a. m. and 5 p. m. observations, was 30 per cent. The amount of evaporation for the month at Lahontan was 12.21 inches.

PRECIPITATION.

The average precipitation for 47 stations in Nevada was 0.14 inches, and for the 23 stations having ten or more years record was 0.22 inch below the normal. The average amount at 4 stations in the Columbia Basin was 0.27 inch; at 16 stations in the Humboldt Basin, 0.10 inch; at 7 stations in the Truckee Basin, 0.06 inch; at 4 stations in the Carson Basin, 0.21 inch; at 6 stations in the Walker Basin, 0.08 inch; at 4 stations in the Colorado Basin, 0.02 inch, and at 14 stations in the minor basins, 0.19 inch. The greatest monthly fall was 0.90 inch, at San Jacinto; at 15 stations there was no rainfall at all.

WIND.

The average velocity at the three regular Weather Bureau stations for the month was 6.1 miles, which is slightly below the normal. The prevailing directions were southwest, west, and southeast.

SUNSHINE AND CLOUDINESS.

The average number of rainy days was 1, which is below the normal. The percentage of sunshine received was 96 at Winnemucca, 89 at Reno, and 82 at Tonopah.

MISCELLANEOUS PHENOMENA.

Thunderstorms.—(Date and number of stations reporting.): 1st, 3; 2d, 3; 3d, 1; 5th, 3; 6th, 4; 11th, 1; 12th, 1; 13th, 1; 14th, 3; 15th, 1; 28th, 6.

Hail.—Cherry Creek, 28th; San Jacinto, 3d.

Killing frost.—Geyser, 18th, 19th, 20th.

High winds.—On the 6th, 16th, 17th, 23d, 27th, 28th, and 31st.

McKinney, Cal.—The water level in Lake Tahoe fell 5.5 inches during the month.

COMPARATIVE DATA FOR AUGUST.

Year.	Temperature.			Average precipitation.	Number of days				Prevailing wind.
	Mean.	Highest.	Lowest.		With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	73.2	117	29	1.06	2	19	6	6	s
1890	70.1	110	28	2.06	5	16	9	6	sw
1891	72.0	101	25	0.44	2	21	6	4	s
1892	71.2	105	20	0.01	0	21	9	1	w
1893	71.1	104	25	0.26	2	16	7	8	sw
1894	71.0	105	30	0.45	4	17	7	7	sw
1895	70.6	112	24	0.15	1	19	8	4	sw
1896	69.0	109	34	0.82	3	16	8	7	w
1897	73.3	110	31	0.31	2	17	8	6	s
1898	73.6	112	29	0.45	2	18	8	5	sw
1899	63.7	99	20	0.82	3	19	5	7	w
1900	66.6	110	30	0.04	0	22	6	3	sw
1901	68.3	101	29	2.05	6	17	5	9	sw
1902	68.9	117	30	0.22	2	21	5	5	sw
1903	69.7	114	28	0.10	1	24	6	1	sw
1904	68.6	105	22	1.81	7	12	8	11	sw
1905	70.7	108	31	0.27	1	21	6	4	sw
1906	70.2	111	26	0.80	3	17	8	6	w
1907	67.7	109	22	0.31	2	20	7	4	s
1908	69.7	108	18	0.36	2	17	8	6	w
1909	70.9	112	25	0.48	2	21	8	3	sw
1910	69.3	111	20	0.08	1	25	4	2	w
1911	67.3	110	27	0.01	0	27	3	1	w
1912	67.7	110	23	0.35	2	23	5	3	w
1913	70.4	109	25	0.75	5	15	11	5	w
1914	72.5	122	14	0.14	1	23	7	1	sw
Entire period	69.9	122	14	0.56	2	19	7	5	sw

CORRECTIONS.

July, 1914.—Page 52. Data for Clover Valley should be for Beowawe. Oasis Ranch, maximum temperature should be 97. Bridgeport, Cal., number of cloudy days should be 5.

LATE REPORTS.

July.—Clover Valley, Elko County, mean temperature 67.0, highest 90 on the 8th, lowest 41 on the 5th; total precipitation 0.74 inch; number of rainy days 6, clear 7, partly cloudy 20, cloudy 4.

Geyser, Lincoln County, mean temperature 64.4, highest 101 on the 26th and 31st, lowest 23 on the 1st; total precipitation 0.13 inch; number of rainy days 3, clear 13, partly cloudy 16, cloudy 2.

Potts, Nye County, mean temperature 65.5, highest 93 on the 17th, lowest 40 on the 24th; total precipitation 0.14 inch; number of rainy days 3, clear 8, partly cloudy 10, cloudy 13.

Climatological data for August, 1914.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days				Prevailing direction of the wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted.)	With precipitation (0.01 inch or more.)	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek	Elko	6,600	1	62.2		98	5	35	†18	54	1	0.09		0.07	0	2				n	Forest Supervisor.
Jack Creek	do	6,300	1								1	0.08		0.08	0	1	22	9	0	w	C. E. Butler.
Owyhee	do	5,400	3	67.4		95	13	35	17	52	3	0.00		0.00	0	0	19	8	4	se	W. M. Schlittler.
San Jacinto	do	5,200	9	62.8	+0.4	90	†15	33	18	53	9	0.90	+0.29	0.55	0	3	27	4	0	sw	J. S. Parmley.
Humboldt Basin.																					
Arthur	Elko	6,500									4	0.00		0.00	0	0	24	4	3	n	Isaac Woodhouse.
Austin	Lander	6,594	25	69.8	+1.7	95	6	43	28	37	25	0.13	−0.50	0.08	0	2	30	1	0	w	Forest Service.
Battle Mountain	do	4,513	43	77.0	+3.6	107	13	45	†30	55	15	0.00	−0.14	0.00	0	0	31	0	0		Southern Pacific Co.
Beowawe	Eureka	4,695	43	66.7	−7.2	93	12	34	22	47	45	0.00	−0.19	0.00	0	0	21	10	0	nw	Do.
Carlin	Elko	4,896	43	65.1	−3.6	94	†12	35	30	54	43	0.00	−0.17	0.00	0	0	13	15	3	w	Western Pacific Co.
Clover Valley	do	6,000	13								21										I. F. Wiseman.
Dry Farm ††	do	5,600	2	64.1		92	†5	38	17	35	5	0.37		0.37	0	1	23	8	0	sw	Walfrid Sohlman.
Elko	do	5,063	43	68.2	+2.4	99	13	33	21	56	44	0.00	−0.28	0.00	0	0	21	7	3	sw	Western Pacific Co.
Eureka	Eureka	6,837	16	70.2	+0.6	96	5	42	29	44	18	0.23	−0.48	0.19	0	3	10	14	7	s	Clay Simms.
Golconda	Humboldt	4,392	35	71.8	+0.6	99	13	35	28	51	37	0.00	−0.09	0.00	0	0	26	2	3		Southern Pacific Co.
Halleck	Elko	5,229	21								45										Do.
Hylton	do	7,081									4	0.10		0.10	0	1	27	4	0		Chas. Toyne, sr.
Imlay §	Humboldt	4,209	1	72.0	−0.9	100	12	45	†24	45	1	0.00	−0.14	0.00	0	0					Southern Pacific Co.
Lovelocks	do	3,977	20								18										High School.
Metropolis	Elko		1	69.2		98	†13	37	18	47	5	0.72		0.72	0	1	7	19	5	sw	O. M. Lloyd.
North Fork	do	6,500									5	0.18		0.10	0	2	21	4	6	w	Chas. Pratt.
Paradise Valley	Humboldt	4,500	1	67.6		100	13	34	28	53	5	T.		T.	0	0	26	4	1	sw	R. M. Taylor.
Potts ††	Nye	5,040	21	65.0	−2.8	94	†4	33	21	52	23	0.08	−0.49	0.04	0	3	13	7	11	s	Miss Maud Potts.
Rochester	Humboldt	7,300	1								1										S. G. Nims.
Snafter ††	Elko	5,583	1	64.0		95	6	28	29	57	1	0.10		0.10	0	1	30	1	0	w	Geo. Kernan.
Tecoma	do	4,812	36	63.8	−7.0	100	†6	25	18	63	37	0.15	−0.08	0.12	0	2	17	14	0		Southern Pacific Co.
Wells	do	5,631	42	68.6	+0.3	93	7	39	28	46	45	0.13	−0.12	0.04	0	4	23	4	4		Do.
Winnemucca	Humboldt	4,344	35	70.6	−0.2	100	13	40	21	48	45	T.	−0.17	T.	0	0	28	3	0	sw	U. S. Weather Bureau.
Truckee Basin.																					
Fernley	Lyon	4,150	41	74.2	−0.2	103	†5	43	20	51	45	0.05	−0.13	0.05	0	1	27	3	1		Mrs. A. G. Steele.
Glenbrook	Douglas	6,240	5								5										C. C. Henningsen.
Lewers Ranch	Washoe	5,500	26								27										Ross Lewers.
Marlette Lake	do	7,900									1	0.00		0.00	0	0	24	5	2		V. & G. H. Water Co.
Reno	do	4,532	27	71.2	+4.2	98	5	42	20	47	27	0.38	+0.13	0.38	0	1	29	1	1	w	U. S. Weather Bureau.
Bijou, Cal.	Eldorado	6,230									5										Chas. Young.
Cathedral Park, Cal.	do	6,400	2								2										Carl Fluegge.
Hobart Mills, Cal.	Nevada	5,900									5	0.00		0.00	0	0	23	8	0	s	S. E. Patterson.
McKinney, Cal.	Placer	6,225	5								5	0.00		0.00	0	0	24	6	1	sw	Fred Jensen.
Tahoe, Cal.	do	6,240	6	61.0		87	†5	33	†20	42	6	0.00		0.00	0	0	31	0	0	w	Robert Watson.
Tallac, Cal.	Eldorado	6,230									5	T.		T.	0	0	13	18	0	sw	J. H. Pomin.
Carson Basin.																					
Fallon	Churchill	3,965	20	72.9	+0.9	102	5	41	20	47	20	0.00	−0.12	0	0	0	29	1	1	sw	U.S. Experiment Statio
Gardnerville [i]	Douglas	4,830	23	64.6	−3.0	90	†5	35	20	43	24	0.45	+0.25	0.45	0	1				w	Forest Service.
Lahontan	Churchill	4,200	2	79.2		105	5	56	17	36	4	T.		T.	0	0	27	4	0	sw	U.S. Reclamat'n Servic
Markleeville, Cal.	Alpine	5,525									5	0.38		0.38	0	1	24	6	1	s	Mrs. Mary Thornburg.
Woodfords, Cal.	do	5,634									5										Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	7	78.2	+2.2	102	5	48	†22	44	18	0.18	−0.23	0.18	0	1	16	15	0		Southern Pacific Co.
Smith	Lyon	4,800									6	T.		T.	0	0	23	6	2	sw	C. M. Carter.
Thorne §	Mineral	4,200	1								1										Southern Pacific Co.
Yerington §	Lyon	4,375	5	69.8	−0.3	98	5	38	†19	48	5	T.	−0.20	T.	0	0				sw	High School.
Bridgeport, Cal.	Mono	6,500	1	60.0		90	4	27	19	52	3	0.14		0.12	0	2	26	4	1	w	A. F. Scott.
Lundy, Cal.	do	8,000									5	0.05		0.04	0	2	11	16	4	w	W. H. Smith.
Shields Ranch, Cal.	do	5,300									5	0.10		0.10	0	1	18	10	3		Frank W. Chichester.
Colorado Basin.																					
Caliente	Lincoln	4,407	4	71.8		98	†5	48	†17	40	4	0.02		0.02	0	1	29	0	2	sw	Salt Lake Route.
Indian Springs	Clark	3,136	1								1										Ira McFarland.
Lake Valley	Lincoln		1	67.6		96	4	37	†21	48	1	T.		T.	0	0	22	6	3	s	Lake View Farming Co
Las Vegas	Clark	2,033	12	84.7	+4.7	110	†3	55	31	44	12	0.07	−0.50	0.07	0	1	26	2	3	s	C. P. Squires.
Logan §	do	1,355	7	85.4	−0.7	113	4	56	31	43	15	0.00	−0.44	0.00	0	0	24	7	0	s	Orin W. Jarvis.
Minor Basins.																					
Cherry Creek	White Pine	6,450	6	71.8		98	5	40	29	43	6	0.77		0.51	0	3	27	4	0	w	J. H. Leishman.
Columbia	Esmeralda	5,700	7	73.0		100	5	48	30	40	9	0.63		0.44	0	4	26	5	0	se	A. Booth.
Gerlach	Washoe	3,931	2								2										Western Pacific Co.
Geyser	Lincoln	6,055	10	60.3		101	6	14	†18	71	10	0.07		0.05	0	2	14	16	1	s	Mrs. J. F. Wambolt.
Jean	Clark	2,864	6	93.6		110	†10	79	†28	22	7	0.00		0.00	0	0	17	13	1	sw	Salt Lake Route.
Leeland	Nye	2,500	1	89.8		122	†12	54	†20	59	1	0.10		0.10	0	1	20	6	5		Agent T. & T. R. R. Co.
Lida	Esmeralda	6,037	2	68.6		92	†5	45	†24	39	2	0.21		0.21	0	1	27	4	0	nw	L. F. Detwiler.
McDermit	Humboldt	4,700	24	70.0	−2.3	98	13	42	17	44	24	T.	−0.15	T.	0	0	28	1	2	sw	Geo. H. Beaman.
McGill §	White Pine	6,338	4	71.4	+6.5	96	4	42	†29	40	4	0.09	−0.99	0.06	0	2	22	9	0	s	R. E. Middagh.
Millett	Nye	6,002	6	67.2		98	5	37	†21	50	7	0.34		0.25	0	2	18	5	8		Fred J. Jones.
Oasis Ranch §	Esmeralda	5,106	2	70.0	+2.7	97	5	42	21	43	2	0.02	−0.54	0.02	0	1	15	16	0	s	A. S. Patterson.
Pahrump	Nye	2,668	1	82.2		110	†4	51	30	43	1	0.02		0.02	0	1	26	5	0	e	F. A. Buol.
Quinn River Ranch.	Humboldt	4,850	12								13										F. M. Payne.
Rebel Creek	do	4,300	2	72.0		99	5	44	†18	43	3	T.		T.	0	0	26	5	0	sw	Mrs. E. J. Hyatt.
Rhyolite	Nye	3,680	1								1										Chas. Kirchen.
Sand Pass	Washoe	4,198	1								1										Western Pacific Co.
Searchlight	Clark	3,445	1	83.4		104	3	61	30	33	1	0.42		0.42	0	1	20	10	1	s	C. L. Aug. Mahn.
Sharp ††	Nye		1	71.6		96	†4	46	22	39	1	0.20		0.10	0	3	23	8	0	w	F. A. Sears.
Tonopah	do	6,090	9	73.4		94	5	52	28	30	9	0.02		0.01	0	2	16	15	0	se	U. S. Weather Bureau.
For the State				72.5	+0.2	122	†12	14	†18	71		0.14	−0.22	0.72	0	1	23	7	1	sw	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used determining section or division means. § Normals based on data from nearby stations with long records.

Reference letters [a], [b], [c], appearing in the table indicate number of days missing; for example, [b] represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for August, 1914.

Stations.	Day of month.																														Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia Basin.																																
Gold Creek	.02													T.														.07				0.09
Jack Creek		T																									T	.08				0.08
Owyhee																																0.00
San Jacinto	.31		.55																								.01					0.87
Humboldt Basin.																																
Arthur																																0.00
Austin |||		.08																										.05				0.13
Battle Mountain |||																																0.00
Beowawe |||																																0.00
Carlin																																0.00
Clover Valley																																
Dry Farm	.37																															0.37
Elko																																0.00
Eureka	.19				T.	.01			.03																							0.23
Golconda																																0.00
Halleck																																
Hylton	.10																															0.10
Imlay																																0.00
Lovelocks																																
Metropolis	T.		T.										T.	T.													.72	T.				0.72
North Fork	.08																											.10				0.18
Paradise Valley																											T.	T.				T.
Potts		.04			T.	.02			.02																			T				0.08
Rose Creek																																
Shafter						.10																					T.					0.10
Tecoma	.03																											.12				0.15
Wells	.04	.03	.02																								.04					0.13
Winnemucca***																											T.	T.				T.
Truckee Basin.																																
Fernley		.05																														0.05
Glenbrook																																
Lewers Ranch																																
Marlette Lake ||||																																0.00
Reno ***		.38											T.																			0.38
Bijou, Cal																																
Cathedral Park, Cal																																
Hobart Mills, Cal																																0.00
McKinney, Cal.																																0.00
Tahoe, Cal																																0.00
Tallac, Cal		T.							T.																							T.
Carson Basin.																																
Fallon																																0.00
Gardnerville		.45																														0.45
Lahontan ||		T.																														T.
Markleeville, Cal		.38																														0.38
Woodfords, Cal																																
Walker Basin.																																
Mina		.18																														0.18
Smith		T.							T.																							T.
Thorne																																
Yerington														T.																		T.
Bridgeport, Cal			T.						.12	.02																						0.14
Lundy, Cal		.04							.01																						T.	0.05
Shields Ranch, Cal		.10					T.																									0.10
Colorado Basin.																																
Caliente								.02																								0.02
Indian Springs																																
Lake Valley	T.	T.																														T.
Las Vegas							.07																									0.07
Logan																																0.00
Minor Basins.																																
Cherry Creek	.51	.04																										.22				0.77
Columbia	.03	T.				T.	.44	.15	.01																							0.63
Gerlach																																
Geyser	.02			T.												.05																0.07
Jean																																0.00
Leeland							.10																									0.10
Lida							.21				T.	T.																				0.21
McDermit																											T.					T.
McGill	.06						.03																									0.09
Millett	.25					.09																						T.				0.34
Oasis Ranch	T.								.02																							0.02
Pahrump					T.	T.	.02					T.			T.																	0.02
Quinn River Ranch																																
Rebel Creek		T.										T.															T.	T.				T.
Rhyolite																																
Sand Pass																																
Searchlight						.42																										0.42
Sharp	.02					T.	T.	.10		.08																						0.20
Tonopah***						.01								.01																		0.02

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight.

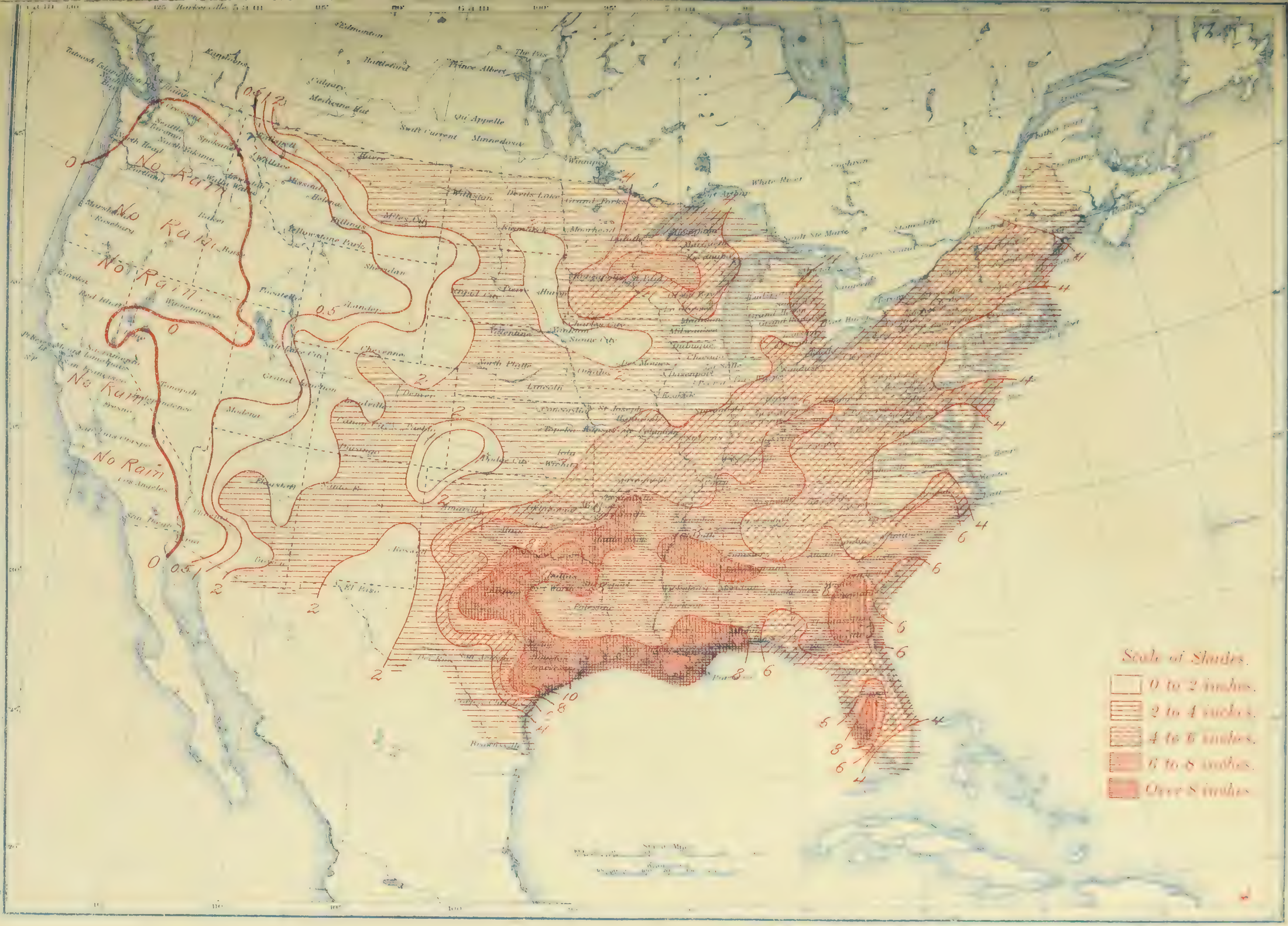
|||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

T. Trace, or less than 0.01 inch.

Daily temperatures for August, 1914.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek	Maximum	77	83	86	84	98	87	85	80	84	82	84	86	88	87	....	88	83	76	80	80	89	76	81	82	80	82	75	73	73	79	76	82.1
	Minimum	57	45	47	45	44	42	54	41	45	37	38	40	46	56	....	44	40	35	35	38	36	40	37	41	43	43	43	36	35	37	45	42.2
Owyhee	Maximum	85	89	92	88	94	92	89	86	80	84	86	89	95	94	92	88	87	80	89	88	87	84	85	86	90	88	88	79	79	82	79	86.9
	Minimum	63	61	53	54	50	63	54	44	43	49	42	50	48	64	59	50	35	37	39	42	40	36	46	49	50	45	42	41	41	47	46	47.8
San Jacinto	Maximum	88	86	89	77	82	82	76	81	82	77	83	82	81	82	90	88	89	86	85	84	86	88	89	89	90	88	86	84	84	86	82	84.6
	Minimum	48	51	41	40	40	41	40	43	48	38	38	44	46	45	58	43	43	33	34	36	37	39	38	39	42	42	38	37	36	34	35	40.9
Humboldt Basin.																																	
Austin	Maximum	81	79	88	90	93	95	82	88	84	87	91	91	89	91	91	91	83	83	85	82	83	81	84	84	84	84	80	78	79	81	81	85.3
	Minimum	61	56	57	58	66	62	59	57	55	56	56	56	60	62	60	59	50	50	48	47	50	51	52	52	52	51	48	43	47	52	51	54.3
Battle Mountain §§	Maximum	98	102	103	103	106	106	103	105	98	100	104	100	107	104	103	101	98	95	100	101	100	99	95	99	99	95	99	100	105	99	100	100.9
	Minimum	59	58	57	68	60	55	55	55	55	50	55	52	58	54	50	55	50	49	50	50	48	50	48	58	54	48	48	50	55	45	45	53.0
Beowawe §§	Maximum	85	89	90	91	91	90	89	87	88	87	88	93	90	87	88	87	82	84	83	85	83	80	83	85	87	90	85	82	80	84	85	86.4
	Minimum	57	62	55	51	55	53	56	51	50	47	41	47	53	57	52	47	43	39	41	38	37	34	39	38	47	53	38	43	38	39	57	47.0
Carlin	Maximum	90	90	88	92	93	91	92	90	88	86	90	94	94	94	94	90	88	89	92	90	92	90	88	90	90	90	90	88	88	89	90	90.3
	Minimum	40	40	42	44	43	41	41	40	40	40	40	42	42	42	40	40	42	40	40	38	39	40	38	40	38	37	38	38	38	35	38	39.9
Dry Farm	Maximum	71	82	86	89	92	85	76	80	81	83	69	76	92	76	83	76	67	73	72	71	66	68	72	75	68	66	60	66	64	64	63	74.6
	Minimum	56	57	57	59	60	67	62	66	52	48	48	56	58	62	63	66	38	42	42	48	49	46	50	51	58	55	46	44	47	60	50	53.6
Elko	Maximum	89	92	95	94	97	97	96	98	91	89	89	98	99	96	95	94	93	87	85	88	87	87	89	90	88	89	87	81	82	85	88	90.8
	Minimum	55	58	59	49	50	58	56	49	50	42	39	42	43	54	53	52	50	38	40	35	33	35	40	42	44	40	44	42	36	40	42	45.5
Eureka	Maximum	80	87	92	94	96	90	90	91	87	88	91	91	92	93	93	92	86	88	89	87	85	84	87	88	85	84	84	76	80	84	82	87.6
	Minimum	55	53	57	55	55	65	58	57	54	50	50	55	56	59	61	58	56	49	45	55	45	45	47	53	49	57	56	45	42	45	48	52.7
Golconda	Maximum	90	92	94	95	96	98	92	90	89	88	87	98	99	98	91	87	80	85	84	86	87	89	85	89	90	87	89	85	86	90	90	89.9
	Minimum	62	64	73	67	60	58	60	68	58	59	56	66	60	69	58	62	40	50	52	51	53	52	43	40	46	36	38	35	42	43	48	53.6
Imlay	Maximum	92	97	95	97	95	92	96	97	91	94	99	100	99	98	97	90	90	91	89	87	89	87	88	88	87	80	82	80	85	84	80	90.8
	Minimum	67	53	64	58	58	60	58	59	58	60	58	55	56	59	60	50	52	50	48	49	47	48	46	45	48	47	46	50	49	50	45	53.3
Metropolis	Maximum	87	93	95	93	94	95	90	89	87	87	83	94	98	98	95	94	80	83	89	89	87	84	87	87	87	90	85	75	83	82	85	88.5
	Minimum	60	53	66	53	54	65	55	53	47	44	44	48	52	65	60	52	49	37	42	45	41	44	43	44	50	50	50	45	41	44	54	50.0
Paradise Valley	Maximum	88	95	95	94	99	96	92	91	88	91	94	98	100	97	95	93	82	84	87	85	86	88	91	89	88	89	85	87	87	88	86	90.6
	Minimum	58	53	56	55	54	51	44	46	45	42	41	47	50	55	51	41	39	35	37	35	37	38	39	45	40	38	48	34	40	42	45	44.5
Potts	Maximum	88	86	90	94	94	92	90	86	89	90	87	92	91	93	94	93	92	86	84	80	81	86	82	83	83	82	83	85	84	82	83	87.3
	Minimum	42	.40	46	48	47	48	46	42	47	45	46	48	49	50	50	52	48	39	36	36	33	34	39	40	42	40	40	40	38	37	38	42.8
Shafter	Maximum	87	91	93	92	94	95	85	88	87	86	89	92	94	92	93	92	82	83	84	87	86	82	85	88	85	86	82	73	80	82	81	87.0
	Minimum	56	45	53	45	45	47	52	40	40	39	35	37	40	49	53	44	52	31	34	34	29	36	32	35	37	55	37	35	28	31	44	41.0
Tecoma	Maximum	92	87	95	95	95	100	100	97	94	85	90	95	97	99	97	98	96	85	83	90	92	90	86	90	90	91	87	80	82	83	80	91.0
	Minimum	46	43	44	42	40	42	40	38	42	34	29	34	40	41	48	40	39	25	31	32	29	38	32	35	36	42	32	27	30	34	32	36.7
Wells	Maximum	90	90	89	92	91	92	93	89	90	91	88	92	90	91	89	90	87	85	83	85	85	85	86	82	86	82	83	82	83	84	85	87.4
	Minimum	60	58	54	60	58	60	61	60	55	52	50	51	53	56	54	52	51	50	49	45	46	42	40	41	42	43	40	39	40	41	40	49.8
Winnemucca	Maximum	89	94	94	95	99	96	93	90	88	91	94	98	100	95	95	93	82	85	87	83	84	87	90	88	88	89	84	86	85	89	84	90.2
	Minimum	64	53	66	55	59	57	54	52	53	50	51	52	52	62	56	50	54	48	41	44	40	44	43	48	51	41	52	43	45	46	54	51.0
Truckee Basin.																																	
Fernley	Maximum	96	96	95	98	103	96	96	97	96	96	100	103	100	97	97	96	90	95	90	86	86	94	95	93	93	88	84	92	94	95	92	94.5
	Minimum	63	54	61	62	52	55	49	59	56	51	50	64	65	57	57	52	51	45	45	43	54	46	55	53	49	58	56	49	52	58	49	53.9
Reno	Maximum	94	96	91	97	98	93	91	92	90	93	96	97	94	93	91	89	89	86	86	82	84	89	87	85	85	87	81	83	87	87	83	89.5
	Minimum	59	57	55	50	58	58	52	55	57	58	59	59	60	59	59	57	49	47	44	42	46	50	53	50	49	52	49	47	50	52	50	53.0
Tahoe, Cal	Maximum	78	81	80	81	87	86	85	81	80	79	84	85	81	81	87	84	79	78	74	74	72	76	79	78	76	77	73	72	74	78	77	79.3
	Minimum	40	45	46	39	48	46	44	45	45	47	47	48	49	47	50	47	44	36	35	33	34	40	40	59	41	40	38	33	38	40	39	42.7
Carson Basin.																																	
Fallon	Maximum	92	96	96	98	102	99	97	96	93	95	98	100	100	98	99	97	88	89	89	85	87	90	93	91	89	89	87	84	87	91	88	93.0
	Minimum	67	59	58	52	55	58	52	57	58	54	55	56	59	58	60	59	52	45	42	41	48	49	48	49	47	49	53	50	46	52	48	52.8
Gardnerville	Maximum	....	....	87	86	90	89	88	85	....	....	....	90	88	88	88	....	82	82	80	78	79	....	84	82	82	82	....	79	....	83	73	83.9
	Minimum	....	....	49	46	53	51	52	48	....	....	....	52	53	50	52	....	51	41	37	35	39	....	41	44	40	44	....	37	....	42	42	45.4
Lahontan §§	Maximum	97	98	98	101	105	100	97	99	95	98	99	102	102	101	99	95	90	90	92	88	87	90	92	92	94	92	88	85	87	94	91	94.
	Minimum	65	65	64	67	70	64	72	70	65	65	70	67	68	68	65	60	56	59	60	61	59	62	69	59	58	63	60	61	63	59	60	63.
Walker Basin.																																	
Mina	Maximum	91	92	99	99	102	100	97	95	94	95	99	98	99	99	101	100	100	93	95	94	90	92	94	95	94	90	90	86	87	90	90	94.
	Minimum	60	60	65	64	70	60	66	61	69	70	61	66	70	66	78	79	72	55	56	52	53	48	60	62	58	59	56	55	48	52	56	61.
Yerington	Maximum	90	89	92	93	98	97	93	90	89	90	93	93	94	92	90	90	85	....	86	82	81	87	88	86	85	85	86	83	82	87	85	a88.
	Minimum	56	52	56	50	67	55	50	52	59	56	54	56	58	53	59	54	55	....	38	38	41	39	50	49	44	45	47	43	43	46	61	a50.
Bridgeport, Cal	Maximum	79	83	83	90	87	83	85	83	82	83	89	87	86	85	84	86	80	78	79	78	77	81	81	80	78	78	74	73	75	75	78	81.
	Minimum	44	44	41	40	42	50	43	46	52	41	41	44	42	41	40	41	40	30	27	28	30	33	54	34	33	37	30	30	31	30	38	38.
Colorado Basin.																																	
Caliente	Maximum	90	95	95	96	98	98	98	90	90	93	93	90	90	90	88	88	85	85	85	90	90	90	92	90	90	90	88	88	90	90	90	90.
	Minimum	50	55	55	57	60	60	60	50	53	54	54	50	50	52	50	50	48	48	48	50	55	55	55	53	53	50	52	50	52	52	52	52.
Lake Valley	Maximum	87	90	91	96	95	90	88	89	88	86	91	93	94	93	94	93	90	88	87	85	85	86	85	86	84	84	83	81	80	81	81	87.
	Minimum	54	50	50	50	52	56	52	57	59	57	45	51	52	49	51	56	52	46	42	40	37	40	43	43	43	42	41	37	37	39	45	47.
Las Vegas	Maximum	103	107	110	110	108	100	99	104	100	103	105	106	108	107	106	109	106	104	101	100	101	100	102	102	102	99	99	97	96	96	96	102.
	Minimum	70	74	70	73	72	72	73	72	73	70	66	68	73	69	70	71	72	69	59	61	59	56	60	65	69	66	64	60	56	57	55	66.
Logan	Maximum	105	109	112	113	111	105	100	106	106	106	105	109	109	110	109	110	106	102	99	92	100	100	99	102	95	102	102	98	95	96	93	103.
	Minimum	73	70	70	73	75	75	77	71	71	68	66	68	68	67	68	73	72	68	63	61	61	64	65	67	69	67	65	59	60	64	56	67.
Minor Basins.																																	
Cherry Creek	Maximum	81	90	93	91	98	94	92	90	89	89	91	95	93	96	95	97	86	87	88	86	87	84	86	89	88	84	87	77	78	81	88	88.
	Minimum	53	64	57	56	61	59	58	66	65	61	51	61	57	59	67	56	61	45	48	57	44	46	45	54	62	57	47	48	40	45	52	54.
Columbia	Maximum	88	92	95	97	100	95	89	88	88	90	92	94	96	95	96	96	93	91	87	86	86	87	87	88	88	86	86	84	82	84	85	90.
	Minimum	60	52	55	60	62	71	60	57	57	55	57	59	61	62	63	62	59	54	51	52	50	51	53	55	53	53	52	50	50	48	55	56.
Geyser	Maximum	96	90	95	100	98	101	97	95	90	95	95	90	95	90	96	90	80	79	80	85	80	81	82	80	81	80	85	80	81	82	80	88.
	Minimum	38	42	45	48	40	42	46	40	42	40	40	30	34	30	35	30	30	14	18	14	31	31	30	29	31	19	25	30	31	30	25	32.
Jean	Maximum	104	103	104	109	108	108	103	105	105	110	110	109	105	101	101	103	100	100	101	102	100	99	93	103	103	100	99	99	98	100	98	102.
	Minimum	89	86	88	87	87	89	86	86	85	89	90	89	88	83	83	85	85	83	83	81	81	80	80	83	85	82	80	79	79	79	81	84.
Leeland	Maximum	103	110	115	120	121	120	109	112	120	121	120	122	118	117	121	119	121	122	110	113	112	109	114	115	113	113	112	112	113	102	105	114.
	Minimum	68	75	69	72	70	79	76	69	67	69	66	70	67	70	70	73	75	66	59	54	54	55	58	59	64	63	57	54	56	58	57	65.
Lida	Maximum	82	80	88	91	92	90	75	78	87	85	79	88	90	92	91	89	89	86	82	79	80	82	79	76	78	79	77	78	79	79	78	83.
	Minimum	58	57	59	62	61	66	56	54	51	54	55	52	56	63	52	61	61	56	53	48	50	52	51	45	53	53	48	49	50	46	45	54.
McDermit	Maximum	83	93	91	91	95	90	88	88	82	86	92	96	98	93	91	90	83	82	85	82	86	83	85	87	87	86	82	84	85	86	83	87.
	Minimum	60	60	62	52	67	51	50	52	52	53	51	52	60	60	55	50	42	50	51	50	51	51	50	52	45	48	47	49	49	50	51	52.
McGill	Maximum	83	90	95	96	95	94	91	90	89	87	92	94	95	95	93	93	90	87	89	88	86	85	88	87	87	82	87	79	72	81	83	88.
	Minimum	52	54	60	59	58	56	60	62	59	51	53	55	59	59	59	59	60	48	50	57	54	46	48	48	48	62	56	45	42	42	58	54.
Millett	Maximum	86	88	92	94	98	95	95	94	89	88	92	90	92	91	94	93	88	88	87	85	84	85	85	85	83	77	84	76	73	78	69	87
	Minimum	60	49	49	50	48	59	58	53	54	55	47	48	50	50	53	67	50	39	44	40	37	37	41	44	40	45	40	43	40	38	45	47
Oasis Ranch	Maximum	87	90	87	95	97	94	89	89	88	89	90	94	92	89	90	92	90	91	86	85	82	84	86	88	87	85	84	80	80	83	83	87
	Minimum	60	54	52	56	56	66	64	56	54	60	61	63	54	57	55	57	55	48	46	45	42	44	44	46	44	44	44	47	45	45	53	52
Pahrump	Maximum	100	108	106	110	109	110	101	102	102	101	104	105	106	107	108	106	105	100	96	96	96	95	95	87	98	97	95	92	92	93	94	100
	Minimum	65	67	66	69	66	73	60	66	68	65	62	64	65	66	65	66	72	74	72	66	62	55	60	61	63	61	62	65	52	51	55	64
Rebel Creek	Maximum	90	92	93	94	99	95	95	94	85	97	95	97	97	97	95	94	89	89	88	90	85	88	87	87	86	88	85	84	82	87	85	90
	Minimum	60	59	60	58	56	56	58	56	54	56	55	58	59	60	59	58	48	44	52	58	52	50	49	51	49	50	48	45	45	48	44	53
Searchlight	Maximum	97	101	104	103	100	92	98	97	96	95	98	102	103	99	102	102	99	97	94	93	92	92	93	94	93	94	94	91	87	86	86	9
	Minimum	75	75	80	82	75	64	72	64	72	70	70	78	77	74	76	74	80	71	68	67	65	65	72	68	69	70	71	65	63	61	64	7
Sharp	Maximum	85	91	94	96	96	91	85	87	87	85	89	93	93	94	95	95	93	90	88	86	85	84	86	86	86	87	84	82	82	83	84	8
	Minimum	51	56	58	63	64	62	58	55	62	54	56	56	63	61	61	60	58	54	49	53	48	46	51	52	51	59	50	47	47	48	47	5
Tonopah	Maximum	82	87	92	94	94	90	82	86	86	84	90	90	91	89	91	90	87	87	84	81	79	81	82	82	82	80	80	76	77	78	78	8
	Minimum	59	57	66	68	72	62	58	59	64	62	67	66	70	69	72	70	64	64	59	56	57	59	59	61	61	60	58	52	55	59	55	6

a, b, c, etc., indicates respectively 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
No Rain
No Rain
No Rain.
No Rain
No Rain
0
0.5
1
2
4
6
8
10
Edmonton
Battleford
Prince Albert
The Pas
Calgary
Medicine Hat
Qu'Appelle
Swift Current
Minnedosa
Winnipeg
Kamloops
Tatoosh Island
Seattle
Spokane
North Head
Portland
Baker
Roseburg
Eureka
Red Bluff
Winnemucca
San Francisco
Sacramento
Fresno
Tonopah
Modena
Los Angeles
San Diego
Kalispell
Havre
Helena
Billings
Miles City
Yellowstone Park
Sheridan
Lander
Pocatello
Salt Lake City
Grand Junction
Cheyenne
Denver
Pueblo
Durango
Flagstaff
Phoenix
Yuma
El Paso
Roswell
Amarillo
Abilene
Fort Worth
Dallas
Palestine
San Antonio
Corpus Christi
Brownsville
Williston
Devils Lake
Grand Forks
Moorhead
Bismarck
Pierre
Huron
Valentine
North Platte
Lincoln
Omaha
Sioux City
Yankton
Des Moines
Concordia
Dodge City
Wichita
Topeka
Kansas City
St Joseph
Springfield
Duluth
Marquette
Port Arthur
White River
Sault Ste Marie
Green Bay
Madison
Milwaukee
Charles City
Dubuque
Davenport
Chicago
La Salle
Grand Haven
Detroit
Toledo
Sandusky
Memphis
Nashville
Little Rock
Shreveport
Vicksburg
Montgomery
Mobile
New Orleans
Jacksonville
Atlanta
Port Eads
Parry Sound

UNIVERSITY [illegible]

28 OCT 1914

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

NEVADA SECTION

SEPTEMBER, 1914

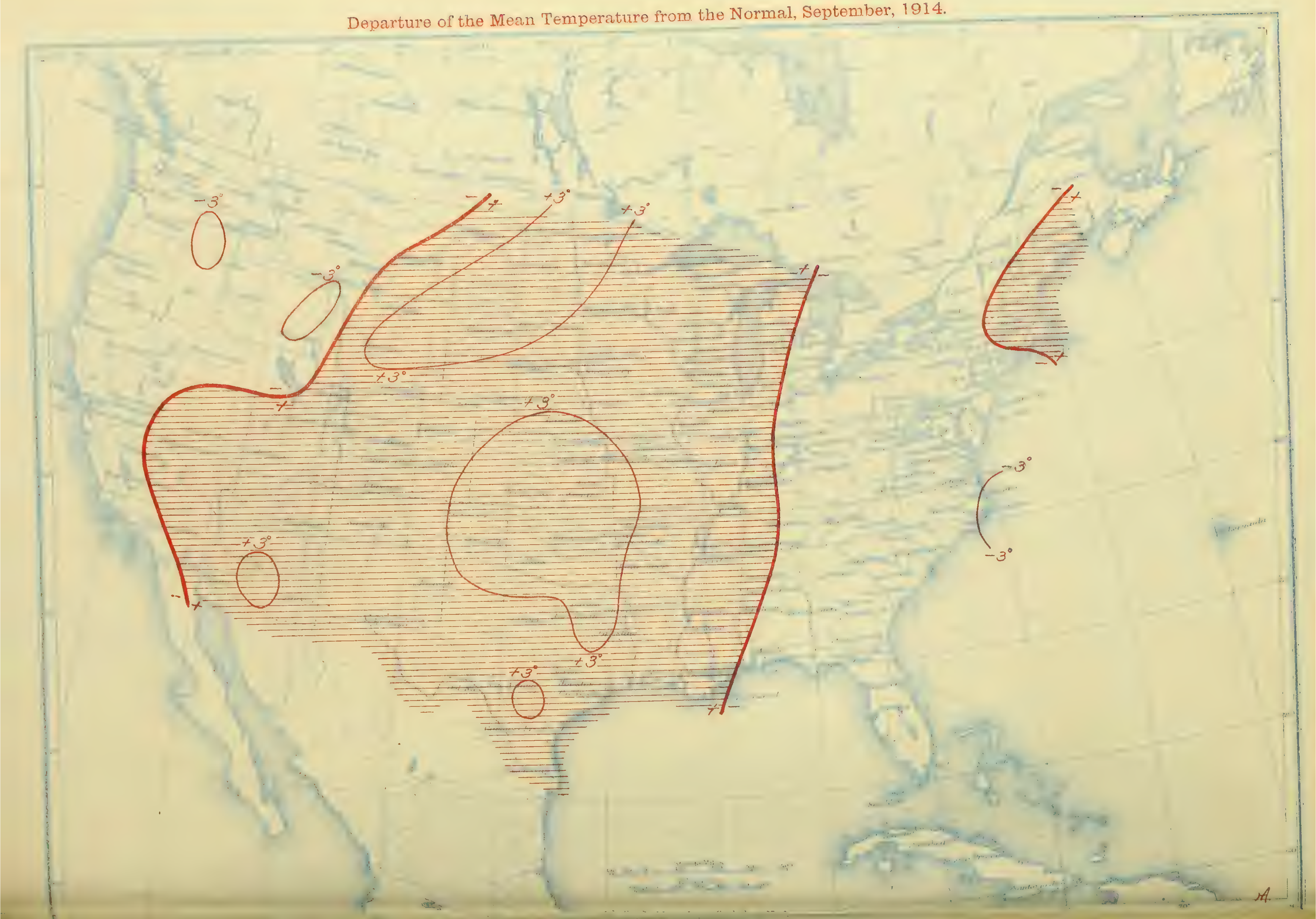
BY

HENRY F. ALCIATORE

SECTION DIRECTOR

RENO, NEV.
WEATHER BUREAU OFFICE
OCTOBER 21, 1914.

Departure of the Mean Temperature from the Normal, September, 1914.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALCIATORE, Section Director.

Vol. XXIX. Reno, Nevada, September, 1914. No. 9.

GENERAL SUMMARY.

The month, on the whole, was a pleasant and uneventful one with an average of 19 clear days, and a mean temperature only slightly below normal. From the 1st to the 4th, the weather was relatively warm; then there followed a period of unseasonably cold weather, which lasted till the 16th; barring the 20th and 21st, the remaining days were comparatively warm. The extremes of temperature, 103 degrees and 17 degrees, respectively, were within the limits of previous years. Of the 25 stations for which normals are available, 17 reported a deficiency and 8 an excess in temperature. The first autumnal killing frosts occurred in parts of Lyon, Churchill and Elko counties on the 8th, 9th or 10th; in Humboldt and Eureka counties, on the 12th, and in the northern part of White Pine County on the 21st. At Fallon, Churchill County, the first killing frost occurred about 17 days earlier than usual, and was the earliest of record.

The percentage of sunshine received was somewhat above the normal at Winnemucca and below at Reno and Tonopah. The average number of cloudy days for the whole State was four.

Dry weather prevailed during the first two weeks. Showers occurred over large areas during the periods from the 15th to the 18th and from the 25th to the 30th. Fairly heavy rains fell in some parts of the Humboldt River basin on the 15th. The month's precipitation was only 0.01 inch less than that of September, 1913, and one-tenth inch below the ten-year average. As compared with the normal, there was an excess in two localities in the southwestern, and in many localities in the northern district. Snow fell in the mountainous regions of Elko County above the 5,000-foot level, on the 12th and 15th, in amounts ranging from one-half inch to six inches.

Considered as a whole the weather was favorable to the agricultural interests. At the close of the month the harvesting of the principal crops was about over. In the Truckee-Carson district the irrigation season had come to a close, after a year of bumper crops made possible by an abundant supply of water.—U. S. Project Engineer, Fallon, Nev. Lake Tahoe was at the 8.4-foot level, and there were, approximately, 468,646 acre-feet of water still available above the low-water level of December, 1913.—A. L. Smith, Tahoe, Cal.

PRESSURE.

The mean barometric pressure was below the normal in the northern and above normal in the southern part of the State.

TEMPERATURE.

The monthly mean temperature for the State, as shown by the records of 41 stations, was 58.9 degrees. The mean for the 25 stations having ten or more years record was 0.8 degree below the normal. The highest temperature recorded was 103 degrees, at Logan, on the 18th and 19th; the lowest was 17 degrees, at Potts, on the 13th and 21st.

HUMIDITY.

The mean relative humidity at the three regular Weather Bureau stations, based on 5 a. m. and 5 p. m. observations, was 40 per cent. The amount of evaporation at Lahontan was 6.89 inches.

PRECIPITATION.

The average precipitation for 46 stations in Nevada was 0.45 inch, and for the 25 stations having ten or more years record it was 0.10 inch below the normal. The average amount at 3 stations in the Columbia Basin was 1.34 inches; at 16 stations in the Humboldt Basin, 0.47 inch; at 8 stations in the Truckee Basin, 0.13 inch; at 5 stations in the Carson Basin, 0.20 inch; at 5 stations in the Walker Basin, 0.01 inch; at 1 station in the Colorado Basin, 0.24 inch, and at 14 stations in the minor basins, 0.48 inch. The greatest monthly fall was 1.79 inches at Columbia; no precipitation occurred at Imlay and Gardnerville.

WIND.

The average velocity at the three regular Weather Bureau stations for the month was 7.5 miles, which is about 0.7 mile above the normal. The prevailing directions were southeast, west and northeast.

SUNSHINE AND CLOUDINESS.

The percentage of sunshine received was 88 at Winnemucca, 80 at Reno and 75 at Tonopah. There was an average of 19 clear, 7 partly cloudy and 4 cloudy days. The average number of days with precipitation was 2, which is above normal.

MISCELLANEOUS PHENOMENA.

Thunderstorms.—(Date and number of stations reporting.): 15th, 1; 18th, 1; 24th, 1; 25th, 3; 26th, 1; 27th, 2; 28th, 4; 29th, 1; 30th, 5.

Hail.—Eureka, 27th; Halleck, 19th.

High Winds.—On the 7th, 11th, 15th, 16th, 17th and 18th.

McKinney, Cal.—The water level in Lake Tahoe fell 8.0 inches during the month.

COMPARATIVE DATA FOR SEPTEMBER.

Year.	Temperature.			Average precipitation.	Number of days				Prevailing wind.
	Mean.	Highest.	Lowest.		With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	61.7	110	13	0.16	1	22	4	4	sw
1890	64.2	110	18	0.81	3	17	6	7	s
1891	58.9	98	5	0.94	5	15	7	8	sw
1892	62.8	109	15	0.09	1	20	5	5	sw
1893	57.5	99	16	0.51	3	16	7	7	sw
1894	58.8	96	10	0.35	2	21	4	5	w
1895	59.9	106	0	0.27	1	20	4	3	w
1896	58.3	102	15	0.35	2	17	7	6	sw
1897	60.4	105	21	0.16	1	18	7	5	w
1898	61.1	97	18	0.20	1	22	4	4	w
1899	63.0	98	24	0.05	0	24	3	3	w
1900	56.1	99	17	0.30	2	19	5	6	sw
1901	56.2	95	20	0.39	2	21	5	4	sw
1902	61.7	113	10	0.21	2	19	5	6	sw
1903	60.2	114	17	0.18	1	22	5	3	sw
1904	60.4	103	19	0.93	4	17	5	8	s
1905	61.1	103	19	0.51	1	19	5	6	sw
1906	60.2	103	18	0.30	2	20	6	4	w
1907	59.9	108	12	0.35	2	20	6	4	s
1908	59.8	108	6	0.82	3	17	7	6	w
1909	60.8	100	16	0.73	3	16	8	6	w
1910	61.5	108	20	0.73	2	21	4	5	w
1911	57.5	107	10	0.35	1	19	6	5	w
1912	56.6	98	8	0.36	2	20	5	5	w
1913	61.4	107	10	0.46	1	21	6	3	w
1914	58.9	103	17	0.45	2	19	7	4	sw
Entire period	60.0	114	0	0.42	2	19	6	5	w

CORRECTIONS.

July, 1914.—Elko, total precipitation and departure, 0.43 and plus 0.09. Owyhee, mean temperature, page 52, should be 68.2; page 54, mean minimum, 52.3.

LATE REPORTS.

August.—Clover Valley, Elko Co., mean temperature, 66.3; highest 92, on 14th; lowest 37, on 29; total precipitation, 0.09 inch; days with rain, 1; clear, 20; partly cloudy, 10; cloudy, 1. Lewers Ranch, Washoe Co., mean temperature, 69.2; highest, 98, on 12th; lowest, 40 on 19th and 20th; no precipitation; clear days, 4; partly cloudy, 24; cloudy, 3. Quinn River Ranch, Humboldt Co., mean temperature, 68.9; highest, 100 on 2d and 12th; lowest, 34, on 19th; no precipitation.

May, 1914.—Fallon, Churchill Co., mean temperature, 61.4; highest, 92, on 30th; lowest, 36, on 2d; total precipitation, 0.04 inch; days with rain, 2; clear, 13; partly cloudy, 15; cloudy, 3.

Climatological data for September, 1914.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days				Prevailing direction of the wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted.)	With precipitation (0.01 inch or more.)	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek	Elko	6,600	1	53.3^{g}	....	80^{g}	2	19^{g}	21	55^{g}	1	1.25	....	1.13	0	2	....	....	....	sw	Forest Supervisor.
Jack Creek	do	6,300	1	....	....	....	....	....	....	....	1	1.13	....	1.13	6.0	1	17	12	1	w	C. E. Butler.
Owyhee	do	5,400	3	55.7	....	83	24	24	13	47	3	1.64	....	1.30	4.0	5	15	7	8	n	Indian Service.
San Jacinto	do	5,200	9	....	....	....	....	....	....	....	9	....	....	....	....	....	....	....	....	....	J. S. Parmley.
Humboldt Basin.																					
Arthur	Elko	6,500	....	....	....	....	....	....	....	....	4	1.10	....	0.50	0	4	21	3	6	....	Isaac Woodhouse.
Austin	Lander	6,594	25	58.3	-0.8	82	†1	26	12	43	25	0.29	-0.19	0.23	0	3	24	5	1	nw	Forest Service.
Battle Mountain	do	4,513	43	64.1	+2.0	95	1	28	8	54	45	0.15	-0.15	0.15	0	1	15	0	15	....	Southern Pacific Co.
Beowawe	Eureka	4,695	43	55.1	-6.7	90	2	26	21	51	45	0.24	0.00	0.24	0	1	20	6	4	s	Do.
Carlin	Elko	4,896	43	55.4	-2.3	90	3	18	12	64	43	0.43	+0.19	0.40	0	2	14	12	4	....	Western Pacific Co.
Clover Valley	do	6,000	13	57.0	-0.6	82	†2	29	9	49	21	0.39	-0.15	0.25	0	4	15	11	4	....	I. F. Wiseman.
Dry Farm ††	do	5,600	2	57.3^{g}	....	82^{n}	2	25	13	47^{n}	5	0.49	....	0.45	0	2	18	10	2	sw	Walfrid Sohlman.
Elko	do	5,063	43	56.4	-0.8	87	2	24	9	52	44	0.93	+0.65	0.53	0	4	16	7	7	sw	Western Pacific Co.
Eureka	Eureka	6,837	16	60.1	-1.2	85	19	23	13	45	18	0.70	+0.02	0.50	0	2	13	10	7	s	Clay Simms.
Golconda	Humboldt	4,392	35	59.0	-0.7	89	3	32	8	51	37	0.53	+0.23	0.46	0	2	10	10	10	w	Southern Pacific Co.
Halleck	Elko	5,229	21	....	....	....	....	....	....	....	45	0.01	-0.26	0.01	0	1	....	....	....	....	Do.
Hylton	do	7,081	....	....	....	....	....	....	....	....	4	0.49	....	0.40	0	2	20	10	0	....	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	1	57.3	-3.9	88	†24	34	13	51	1	0.00	-0.65	0.00	0	0	23	5	2	....	Southern Pacific Co.
Lovelocks	do	3,977	20	....	....	....	....	....	....	....	18	....	....	....	....	....	....	....	....	....	High School.
Metropolis	Elko	....	1	....	....	....	....	....	....	....	5	....	....	....	....	....	....	....	....	....	O. M. Lloyd.
North Fork	do	6,500	....	....	....	....	....	....	....	....	5	0.81	....	0.50	2.0	3	10	8	12	w	Chas. Pratt.
Paradise Valley	Humboldt	4,500	1	56.0	....	88	2	19	13	52	5	0.30	....	0.30	0	1	22	4	4	sw	R. M. Taylor.
Potts	Nye	5,040	21	52.6	-2.8	83	1	17	†13	55	23	0.03	-0.27	0.03	0	1	17	4	9	n	Miss Maud Potts.
Rochester	Humboldt	7,300	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	S. G. Nims.
Shafter §	Elko	5,583	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	Geo. Kernan.
Tecoma ††	do	4,812	36	55.3	-3.9	90	2	19	20	65	37	1.50	+1.12	1.00	0	2	19	6	5	....	Southern Pacific Co.
Wells	do	5,631	42	54.6	-3.0	84	1	30	15	46	45	1.19	+1.00	0.50	1.4	6	14	4	12	se	Do.
Winnemucca	Humboldt	4,344	35	57.8	-2.7	89	1	22	13	49	45	0.48	+0.14	0.35	0	3	17	8	5	ne	U. S. Weather Bureau.
Truckee Basin.																					
Fernley	Lyon	4,150	41	62.6	-0.1	93	1	28	13	53	45	0.01	-0.17	0.01	0	1	23	7	0	....	Mrs. A. G. Steele.
Glenbrook	Douglas	6,240	5	....	....	....	....	....	....	....	5	....	....	....	....	....	....	....	....	....	C. C. Henningsen.
Lewers Ranch	Washoe	5,500	26	59.4	-0.9	88	1	29	13	47	27	0.38	-0.29	0.38	0	1	11	14	5	....	Ross Lewers.
Marlette Lake	do	7,900	....	....	....	....	....	....	....	....	1	0.05	....	0.05	0	1	17	4	9	....	V. & G. H. Water Co.
Reno	do	4,532	27	60.5	+0.8	87	23	33	13	46	27	0.05	-0.22	0.05	0	1	18	10	2	w	U. S. Weather Bureau.
Bijou, Cal.	Eldorado	6,230	....	....	....	....	....	....	....	....	5	....	....	....	....	....	....	....	....	....	Chas. Young.
Cathedral Park, Cal.	do	6,400	2	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	Carl Fluegge.
Hobart Mills, Cal.	Nevada	5,900	....	....	....	....	....	....	....	....	5	0.14	....	0.12	0	2	20	3	7	s	S. E. Patterson.
McKinney, Cal.	Placer	6,225	5	....	....	....	....	....	....	....	5	0.25	....	0.23	0	2	22	7	1	s	Fred Jensen.
Tahoe, Cal.	do	6,240	6	51.6	....	76	†1	25	8	40	6	0.18	....	0.15	0	2	24	3	3	w	Robert Watson.
Tallac, Cal.	Eldorado	6,230	....	....	....	....	....	....	....	....	5	T.	....	T.	0	0	12	5	13	sw	W. D. Butt.
Carson Basin.																					
Fallon	Churchill	3,965	20	61.6	+0.7	89	†1	29	13	49	20	0.07	-0.12	0.07	0	1	22	6	2	....	U.S. Experiment Station.
Gardnerville	Douglas	4,830	23	58.9^{g}	-1.8	81^{g}	23	29^{g}	14	46^{g}	24	0.00	-0.23	0.00	0	0	....	....	....	sw	Forest Service.
Lahontan	Churchill	4,200	2	66.4	....	92	†1	38	12	46	4	T.	....	T.	0	0	17	9	4	w	U.S. Reclamat'n Service.
Markleeville, Cal.	Alpine	5,525	....	....	....	....	....	....	....	....	5	0.80	....	0.80	0	1	17	12	1	s	Mrs. Mary Thornburg.
Woodfords, Cal.	do	5,634	....	....	....	....	....	....	....	....	5	0.11	....	0.08	0	2	11	16	3	sw	Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	7	....	....	....	....	....	....	....	18	....	....	....	....	....	....	....	....	....	Southern Pacific Co.
Smith	Lyon	4,800	....	....	....	....	....	....	....	....	6	T.	....	T.	0	0	24	4	2	sw	C. M. Carter.
Thorne §	Mineral	4,200	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	Southern Pacific Co.
Yerington §	Lyon	4,375	5	58.8	-1.0	84	1	29	13	50	5	0.03	-0.23	0.03	0	1	19	9	2	sw	High School.
Bridgeport, Cal.	Mono	6,500	1	51.0	....	79	23	17	13	53	3	0.02	....	0.02	0	1	21	7	2	w	A. F. Scott.
Lundy, Cal.	do	8,000	....	....	....	....	....	....	....	....	5	T.	....	T.	0	0	8	10	12	w	W. H. Smith.
Shields Ranch, Cal.	do	5,300	....	....	....	....	....	....	....	....	5	T.	....	T.	0	0	18	10	2	....	Frank W. Chichester.
Colorado Basin.																					
Caliente §††	Lincoln	4,407	4	....	....	....	....	....	....	....	4	0.10	....	0.10	0	1	18	7	5	sw	Salt Lake Route.
Indian Springs §	Clark	3,136	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	Ira McFarland.
Lake Valley	Lincoln	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	Lake View Farming Co.
Las Vegas ††	Clark	2,033	12	77.6	+5.4	102	†18	45	15	47	12	T.	-0.33	T.	0	0	16	12	2	s	C. P. Squires.
Logan §	do	1,355	7	77.8	+0.8	103	†18	47	14	52	15	0.24	-0.21	0.19	0	2	26	3	1	s	Experiment Farm.
Minor Basins.																					
Cherry Creek	White Pine	6,450	6	61.4	....	86	4	32	†21	45	6	0.47	....	0.33	0	2	20	9	1	w	J. H. Leishman.
Columbia	Esmeralda	5,700	7	63.5	....	87	11	34	13	45	9	1.79	....	1.40	0	3	21	7	2	se	A. Booth.
Gerlach	Washoe	3,931	2	62.6	....	91	1	31	13	45	2	0.13	....	0.10	0	2	17	8	5	w	Western Pacific Co.
Geyser §	Lincoln	6,055	10	....	....	....	....	....	....	....	10	....	....	....	....	....	....	....	....	....	Mrs. J. F. Wambolt.
Jean	Clark	2,864	6	78.2	....	99	†1	48	28	35	7	0.65	....	0.40	0	2	21	0	9	sw	Salt Lake Route.
Leeland	Nye	2,500	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	Agent T. & T. R. R. Co.
Lida §	Esmeralda	6,037	2	60.1	+3.5	80	†1	31	13	37	2	0.17	-0.58	0.17	0	1	28	0	2	se	L. F. Detwiler.
McDermit	Humboldt	4,700	24	55.8	-5.2	87	24	23	12	47	24	0.28	--0.06	0.25	0	2	18	10	2	sw	S. G. Kern.
McGill §	White Pine	6,338	4	62.8	+7.3	86	5	29	13	46	4	0.08	-0.57	0.08	0	1	25	4	1	s	R. E. Middagh.
Millett	Nye	6,002	6	54.6	....	83	11	22	13	53	7	0.85	....	0.65	0	2	19	6	5	s	Fred J. Jones.
Oasis Ranch §	Esmeralda	5,106	2	60.2	+0.9	85	†3	30	†13	49	2	0.22	-0.15	0.22	0	1	20	10	0	s	A. S. Patterson.
Pahrump	Nye	2,668	1	75.0	....	100	12	50	3	44	1	0.42	....	0.42	0	1	23	5	2	s	F. A. Buol.
Quinn River Ranch	Humboldt	4,850	12	58.4	+1.4	92	1	23	21	61	13	0.15	--0.19	0.15	0	1	....	....	....	sw	F. M. Payne.
Rebel Creek	do	4,300	2	60.7	....	89	24	30	12	46	3	1.15	....	0.85	0	3	21	5	4	sw	Mrs. E. J. Hyatt.
Rhyolite	Nye	3,680	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	Chas. Kirchen.
Sand Pass	Washoe	4,198	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	R. R. Mott.
Searchlight	Clark	3,445	1	74.6	....	95	†4	54	14	28	1	0.82	....	0.57	0	3	24	1	5	s	C. L. Aug. Mahn.
Sharp	Nye	....	1	62.1	....	85	†4	34	14	43	1	0.35	....	0.35	0	1	21	9	0	w	F. A. Sears.
Sulphur	Humboldt	4,044	1	....	....	95	1	....	....	....	1	0.08	....	0.08	0	1	16	12	2	....	Western Pacific Co.
Tonopah	Nye	6,090	9	61.8	....	80	19	35	13	29	9	0.27	....	0.22	0	2	16	12	2	se	U. S. Weather Bureau.
For the State	....	....	....	58.9	-0.8	103	†18	17	†13	65	....	0.45	-0.10	1.40	0.3	2	19	7	4	sw	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used determining section or division means. § Normals based on data from nearby stations with long records.

Reference letters a, b, c, appearing in the table indicate number of days missing; for example, b represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for September, 1914.

Stations.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Columbia Basin.																																
Gold Creek															1.13															T		1.13
Jack Creek												T			1.13			T												T		1.13
Owyhee								.04				.21			1.30					.06					T	T				.03		1.64
San Jacinto																																
Humboldt Basin.																																
Arthur															.20	.50	T.								.10	.30						1.10
Austin ‖‖																		.02							.23					.04		0.29
Battle Mountain ‖‖															.15															T		0.15
Beowawe ‖‖															.24																	0.24
Carlin															.40										T					.03		0.43
Clover Valley															.25			.03							.06	.05				T		0.39
Dry Farm																										.45	.04					0.49
Elko															*	.53		.05							.35							0.93
Eureka																									.50		.20			T		0.70
Golconda															.46															.07		0.53
Halleck																			.01													0.01
Hylton																		.09							.40							0.49
Imlay																																0.00
Lovelocks																																
Metropolis																																
North Fork															.50			.06												.25		0.81
Paradise Valley															.30										T.							0.30
Potts																										.03	T.					0.03
Rose Creek																																
Shafter																																
Tecoma															1.00			.50														1.50
Wells												.09			.50			.25							.14	.08				.13		1.19
Winnemucca***															.35										.03					.10		0.48
Truckee Basin.																																
Fernley																		.01														0.01
Glenbrook																																
Lewers Ranch																									.38							0.38
Marlette Lake ‖‖																									.05							0.05
Reno ***																T.								.05								0.05
Bijou, Cal																																
Cathedral Park, Cal																																
Hobart Mills, Cal																		.12						.02								0.14
McKinney, Cal																		.23						.02								0.25
Tahoe, Cal																		.15							.03							0.18
Tallac, Cal																		T.						T.	T.							T.
Carson Basin.																																
Fallon																									T.					.07		0.07
Gardnerville																																0.00
Lahontan ‖‖																													T.	T.		T.
Markleeville, Cal																		.80											T.			0.80
Woodfords, Cal																		.08							.03				T.			0.11
Walker Basin.																																
Mina																																
Smith																								T.								T.
Thorne																																
Yerington																									.03				T.			0.03
Bridgeport, Cal																									.02							0.02
Lundy, Cal																		T.						T.					T.			T.
Shields Ranch, Cal																													T.			T.
Colorado Basin.																																
Caliente																					.10											0.10
Indian Springs																																
Lake Valley																																
Las Vegas																											T.	T.				T.
Logan											.05																.19					0.24
Minor Basins.																																
Cherry Creek																										.14	.33					0.47
Columbia																									.09	.30		1.40				1.79
Gerlach															.10			.03							T.							0.13
Geyser																																
Jean																												.40	.25			0.65
Leeland																																
Lida																									.17			T.				0.17
McDermit															.25	.03														T.		0.28
McGill																											.08					0.08
Millett																		.65						.20	T.				T.			0.85
Oasis Ranch																									.22							0.22
Pahrump																										T.		.42				0.42
Quinn River Ranch															.15																	0.15
Rebel Creek															.85			T.							.05					.25		1.15
Rhyolite																																
Sand Pass																																
Searchlight																											.08	.57	.17			0.82
Sharp																													.35			0.35
Sulphur														.08																		0.08
Tonopah***																									.22			.05				0.27

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

T. Trace, or less than 0.01 inch.

Daily temperatures for September, 1914.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek	Maximum	78	80	76	74	74	74	70	67	66	72	67	67	....	....	60	....	....	....	....	....	74	68	75	78	75	75	65	70	70	69	....	71.5
	Minimum	32	40	42	40	32	43	42	44	35	38	45	21	....	....	24	....	....	....	....	....	19	28	31	33	40	45	38	28	33	35	....	35.1
Owyhee	Maximum	81	82	80	78	78	79	73	69	70	80	78	72	57	61	60	68	67	77	74	77	64	70	78	83	78	75	81	74	76	73	....	73.8
	Minimum	34	45	46	41	38	41	41	31	29	33	47	29	24	37	32	34	39	42	43	37	29	30	36	38	40	54	42	30	40	46	....	37.6
Humboldt Basin.																																	
Austin	Maximum	82	80	80	78	79	77	77	64	73	79	78	57	59	68	74	78	80	79	63	68	77	82	80	66	68	70	72	74	69	....	....	73.5
	Minimum	48	49	46	46	51	44	34	33	41	46	36	26	33	39	45	60	47	37	34	38	45	48	50	49	46	40	46	46	46	....	....	43.1
Battle Mountain §§	Maximum	95	93	90	95	91	89	85	78	86	90	90	72	70	80	80	80	89	88	90	80	80	87	92	94	82	88	88	86	78	85	....	85.7
	Minimum	50	48	44	43	50	43	40	28	34	40	38	30	42	55	50	45	48	48	50	34	30	36	38	54	50	43	38	37	42	46	....	42.5
Beowawe §§	Maximum	82	90	75	80	84	84	80	75	66	62	66	60	63	56	60	60	70	75	70	71	53	60	72	70	75	72	80	81	84	84	....	72.0
	Minimum	47	50	41	43	43	42	42	41	35	39	35	35	35	35	40	35	35	40	31	35	26	35	35	38	40	40	42	42	33	34	....	38.2
Carlin	Maximum	88	88	90	82	86	88	86	86	80	86	86	78	78	76	68	70	78	80	78	78	76	78	80	86	84	82	81	82	80	83	....	81.4
	Minimum	38	34	32	33	26	28	28	29	20	22	23	18	26	28	32	36	36	38	36	32	28	26	28	26	28	35	38	27	26	29	....	29.5
Clover Valley	Maximum	81	82	81	80	79	80	80	76	71	77	80	68	56	67	64	72	79	81	63	67	63	71	79	82	78	78	69	72	74	73	....	74.1
	Minimum	42	45	44	44	38	45	40	39	29	34	36	35	35	35	36	34	51	49	43	47	43	30	30	46	40	45	44	35	36	48	....	39.9
Dry Farm	Maximum	72	82	78	73	79	81	78	62	71	77	76	79	55	66	61	73	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	72.7
	Minimum	50	51	57	51	42	44	42	41	29	34	33	32	25	42	34	36	39	54	52	47	30	36	37	40	54	48	45	37	44	50	....	41.9
Elko	Maximum	84	87	86	81	80	83	83	78	76	76	76	77	68	68	72	72	78	82	83	80	64	74	81	80	71	77	72	74	79	75	....	77.2
	Minimum	36	40	40	38	32	44	35	35	24	29	29	36	29	38	33	33	39	43	40	40	27	29	31	35	40	47	40	35	35	40	....	35.7
Eureka	Maximum	84	82	80	84	83	82	80	71	76	80	84	74	59	74	71	78	80	75	85	75	69	79	83	83	75	75	66	73	75	75	....	77.0
	Minimum	47	48	52	44	43	50	48	34	33	36	34	36	23	29	42	34	56	49	53	41	30	36	57	50	52	49	46	40	45	49	....	43.2
Golconda	Maximum	86	84	89	86	88	84	70	66	71	76	81	86	70	69	60	61	72	76	75	70	72	76	74	78	88	80	79	76	79	78	....	76.7
	Minimum	35	38	40	37	42	36	45	32	39	38	40	43	41	34	36	38	43	45	40	38	39	49	48	51	54	50	43	46	40	42	....	41.4
Imlay	Maximum	80	75	70	72	65	61	65	68	70	69	70	69	65	70	69	68	70	72	80	79	82	81	86	88	80	78	79	82	85	88	....	74.5
	Minimum	50	48	45	48	40	39	38	39	38	39	37	35	34	35	36	38	39	40	45	40	41	36	42	37	38	39	40	41	42	45	....	40.1
Paradise Valley	Maximum	87	88	85	80	83	81	78	67	75	82	83	74	61	71	65	74	76	84	80	64	71	78	83	86	78	78	75	79	80	75	....	77.4
	Minimum	36	44	45	40	35	41	40	29	27	31	32	30	19	28	37	38	35	38	33	41	25	29	31	36	44	41	35	29	32	37	....	34.5
Potts	Maximum	83	82	80	81	80	79	73	67	78	77	77	76	66	58	69	71	72	73	75	76	69	68	69	70	72	75	76	74	75	70	....	73.7
	Minimum	37	36	34	33	32	32	36	36	23	24	33	35	17	26	32	33	35	34	37	25	17	22	24	32	34	38	39	38	37	35	....	31.5
Shafter	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Tecoma	Maximum	82	90	85	82	84	83	85	80	75	80	80	75	80	80	80	81	82	80	85	80	85	80	85	75	80	75	82	82	85	80	....	81.3
	Minimum	25	27	30	45	35	37	35	25	30	27	25	30	20	30	20	22	24	20	23	19	20	25	50	35	29	50	25	36	27	32	....	29.3
Wells	Maximum	84	83	80	80	79	80	78	80	80	82	78	70	60	59	43	45	42	75	80	61	75	76	78	77	75	72	76	72	70	71	....	72.0
	Minimum	40	39	38	40	39	38	36	40	38	36	36	31	34	32	30	31	32	40	45	40	44	40	38	40	37	35	37	38	36	37	....	37.2
Winnemucca	Maximum	89	86	84	80	82	82	76	65	75	82	83	59	62	71	63	74	79	81	79	64	70	78	85	88	80	79	73	78	81	77	....	76.8
	Minimum	41	47	47	45	35	51	39	30	33	38	36	34	22	33	39	41	39	42	36	39	34	34	36	39	51	50	38	41	34	43	....	38.9
Truckee Basin.																																	
Fernley	Maximum	93	89	87	90	89	84	77	70	80	85	86	78	68	79	75	75	83	81	82	73	76	84	86	87	85	84	77	84	82	82	....	81.7
	Minimum	50	59	60	43	53	53	49	35	32	32	40	43	28	36	56	43	53	53	42	47	32	32	37	41	40	44	45	34	37	55	....	43.5
Lewer's Ranch	Maximum	88	84	81	82	82	77	69	68	75	84	78	66	69	77	65	68	73	69	68	70	72	79	85	81	76	71	76	78	79	77	....	75.6
	Minimum	46	49	52	42	40	41	47	32	34	37	47	38	29	36	52	50	45	53	47	35	38	37	44	46	47	50	41	38	51	49	....	43.1
Reno	Maximum	86	85	80	82	81	77	67	68	76	84	80	65	70	78	66	66	77	77	76	69	73	81	87	83	80	74	75	78	80	76	....	76.6
	Minimum	50	50	55	45	44	47	48	34	35	38	45	38	33	38	53	51	47	55	44	42	35	38	44	47	47	52	44	40	44	49	....	44.4
Tahoe, Cal.	Maximum	76	73	75	73	69	72	60	59	65	71	76	60	61	71	58	58	68	63	70	63	63	66	69	68	71	68	64	67	70	68	....	67.2
	Minimum	38	40	38	36	31	34	37	25	29	34	36	37	26	33	44	43	46	44	45	30	31	32	38	40	39	43	33	32	34	35	....	36.1
Carson Basin.																																	
Fallon	Maximum	89	89	86	82	83	85	80	68	75	84	88	75	68	77	76	80	85	85	83	74	73	80	86	89	80	84	76	78	83	82	....	80.8
	Minimum	48	51	54	42	43	44	38	36	32	35	43	45	29	36	57	44	43	48	39	44	33	33	38	43	49	55	42	35	39	50	....	42.3
Gardnerville	Maximum	73	79	78	77	....	....	....	76	71	75	79	....	....	75	72	69	78	74	....	78	70	75	81	80	76	74	....	73	76	75	....	75.4
	Minimum	43	45	53	41	....	....	....	37	32	33	36	....	....	29	51	56	57	56	....	38	33	34	40	42	43	60	....	37	38	42	....	42.4
Lahontan §§	Maximum	92	90	88	85	86	85	80	71	75	84	90	64	70	87	80	78	85	88	90	71	73	81	87	92	83	85	82	79	83	83	....	82.2
	Minimum	59	65	53	52	60	55	40	43	46	54	44	38	45	55	49	51	57	48	48	42	45	51	56	56	51	48	47	49	58	51	....	50.5
Walker Basin.																																	
Mina	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Yerington	Maximum	84	83	82	80	78	80	76	65	72	80	82	70	65	76	73	76	79	81	81	72	71	78	83	83	79	79	76	75	78	77	....	77.1
	Minimum	45	46	49	39	40	42	44	37	33	30	39	43	29	32	52	56	43	52	40	44	33	30	35	38	48	43	40	36	39	42	....	40.6
Bridgeport, Cal.	Maximum	76	77	75	77	75	73	66	63	70	75	72	62	65	75	65	68	74	72	73	65	70	76	79	77	68	70	70	72	67	70	....	71.2
	Minimum	35	34	40	29	30	30	34	30	21	22	29	41	17	24	44	45	33	33	26	36	24	23	26	30	40	36	26	26	31	29	....	30.8
Colorado Basin.																																	
Las Vegas	Maximum	95	98	100	100	100	96	97	97	94	98	100	95	83	90	92	95	98	102	102	98	97	98	98	97	98	93	85	80	88	89	....	95.1
	Minimum	55	55	55	55	59	60	60	60	61	54	64	60	58	52	45	61	55	65	66	70	69	67	66	66	68	70	68	54	53	53	....	60.1
Logan	Maximum	102	100	100	102	102	98	98	95	97	99	102	97	88	92	93	95	102	103	103	102	95	97	100	95	102	97	97	82	87	90	....	97.1
	Minimum	55	54	58	57	50	60	54	55	53	56	56	61	68	47	59	61	60	65	67	65	62	52	51	55	58	61	74	60	57	60	....	58.4
Minor Basins.																																	
Cherry Creek	Maximum	83	82	84	86	80	84	82	72	74	76	80	81	68	71	78	80	83	84	85	76	63	72	80	84	81	75	69	66	70	66	....	77.
	Minimum	48	47	48	50	45	60	47	47	36	37	40	40	37	55	35	52	56	63	59	54	32	32	38	39	47	48	49	38	41	46	....	45.
Columbia	Maximum	82	82	84	86	84	83	79	73	84	84	87	76	67	77	70	77	80	83	86	75	74	83	85	83	76	77	77	75	71	70	....	79.
	Minimum	51	51	54	53	50	53	51	44	39	42	48	48	34	36	52	48	55	60	54	48	39	40	44	49	54	50	50	47	48	47	....	48.
Gerlach	Maximum	91	90	87	84	82	81	80	69	74	85	85	82	66	76	77	71	75	77	79	77	75	79	87	85	87	82	....	....	81	80	....	80.
	Minimum	53	58	52	47	42	48	51	37	40	44	47	37	31	41	47	50	42	55	41	40	38	40	44	47	48	58	....	....	36	53	....	45.
Jean	Maximum	99	99	98	96	93	92	90	90	92	95	94	94	96	96	98	98	96	98	96	98	96	94	90	90	90	89	83	78	80	80	....	92.
	Minimum	83	78	75	70	68	63	58	57	59	61	60	60	61	61	75	75	70	70	75	70	70	60	55	55	55	54	50	48	55	60	....	63.
Lida	Maximum	80	79	79	77	80	78	73	70	71	80	80	79	65	71	69	70	69	74	80	79	74	80	77	79	79	73	74	72	71	68	....	75.
	Minimum	43	43	56	49	46	45	38	43	48	49	46	44	31	35	36	47	55	56	48	47	43	49	48	44	48	46	44	43	44	41	....	45.
McDermit	Maximum	86	86	82	78	80	82	81	75	71	80	80	69	58	68	64	70	71	76	74	60	70	78	82	87	79	75	70	76	79	75	....	75.
	Minimum	48	41	53	64	40	42	43	30	35	40	41	23	28	27	30	31	31	34	29	32	30	32	35	40	41	36	28	31	35	32	....	36.
McGill	Maximum	81	85	82	82	86	82	81	73	77	81	83	74	58	72	72	78	81	82	84	79	79	78	83	85	80	75	76	76	71	69	....	78.
	Minimum	56	53	55	56	46	50	49	47	39	39	49	45	29	36	49	36	51	59	55	36	33	58	48	45	54	54	53	46	49	50	....	47.
Millett	Maximum	65	69	68	73	75	80	73	73	74	80	83	74	54	73	69	73	73	73	72	62	63	65	73	73	74	73	59	63	52	62	....	69.
	Minimum	40	39	47	40	38	44	32	42	29	29	30	47	22	29	52	33	54	61	45	43	30	30	33	34	41	45	49	38	44	40	....	39.
Oasis Ranch	Maximum	82	83	85	82	84	82	81	72	75	79	84	75	67	75	72	79	80	82	85	78	72	78	80	80	75	75	72	72	74	74	....	77.
	Minimum	45	50	52	42	45	43	41	48	37	37	35	50	30	30	46	50	37	39	41	39	40	37	41	43	46	46	48	44	50	48	....	42.
Pahrump	Maximum	95	96	93	95	93	90	91	96	92	92	93	100	92	....	....	90	93	90	92	96	91	93	91	94	97	88	86	82	84	85	....	91.
	Minimum	51	54	50	56	69	62	59	61	64	65	60	68	56	70	71	60	52	59	56	54	52	51	53	53	56	62	60	59	55	51	....	58.
Quinn River Ranch	Maximum	92	87	85	85	86	85	75	70	80	87	86	90	83	73	66	78	74	78	78	67	77	78	89	90	84	74	77	82	....	....	....	80
	Minimum	36	41	50	45	42	37	50	28	25	29	30	34	33	35	43	42	36	45	30	42	23	25	29	29	47	40	43	25	....	....	....	36
Rebel Creek	Maximum	86	84	86	84	86	84	82	64	75	83	84	72	80	69	65	73	74	78	76	74	70	76	85	89	84	78	80	79	82	79	....	78
	Minimum	46	48	52	48	44	45	46	34	35	42	44	30	34	39	37	44	45	48	41	38	34	42	44	50	54	55	40	38	40	44	....	42
Searchlight	Maximum	87	90	93	95	95	91	87	86	85	92	92	87	79	81	82	84	88	92	92	91	84	87	88	88	92	82	75	71	71	78	....	86
	Minimum	61	62	65	71	69	65	60	58	63	70	68	64	55	54	58	56	62	66	66	67	64	65	70	68	67	68	60	56	59	57	....	63
Sharp	Maximum	82	82	84	85	85	80	79	75	76	80	85	70	60	77	71	76	80	83	84	80	74	77	80	82	79	77	75	74	69	70	....	77
	Minimum	46	48	57	49	48	46	45	42	44	46	44	46	44	34	42	54	40	48	53	50	38	38	48	57	48	49	52	42	52	46	....	46
Sulphur	Maximum	95	90	88	89	91	91	90	86	82	81	76	74	89	90	91	88	86	85	82	80	81	80	84	82	84	86	80	79	78	79	....	84
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Tonopah	Maximum	77	76	77	78	79	77	73	63	70	76	79	62	56	69	69	73	76	78	80	66	69	77	80	78	72	73	71	69	71	67	....	7
	Minimum	55	56	57	53	55	57	50	38	41	49	59	41	35	42	46	49	53	60	57	50	43	51	60	61	51	51	52	50	51	50	....	5

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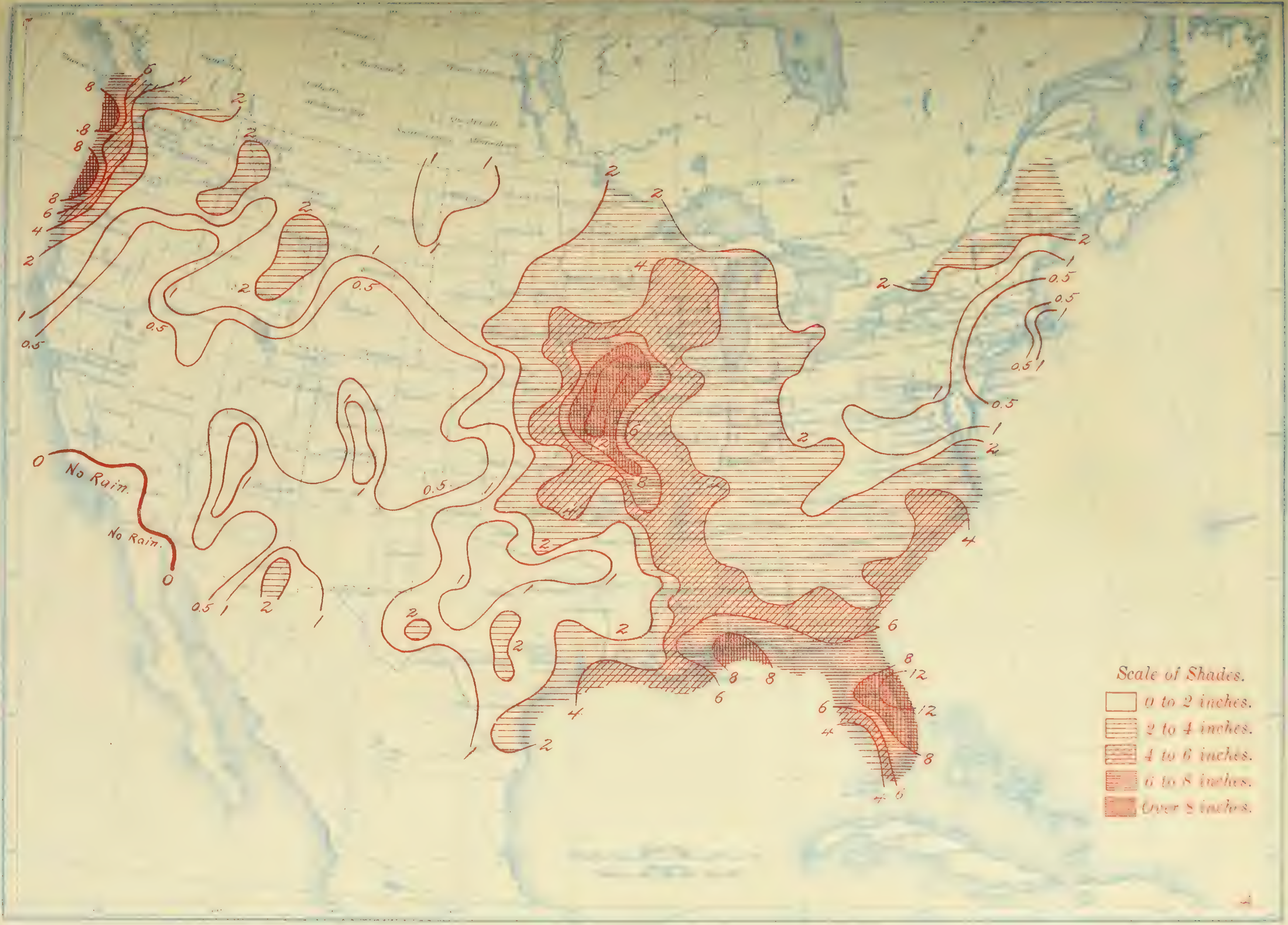
a, b, c, etc., indicates respectively 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged the preceding day, on which it almost always occurs.

Total Precipitation, Inches, September, 1914.



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WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

NEVADA SECTION

OCTOBER, 1914

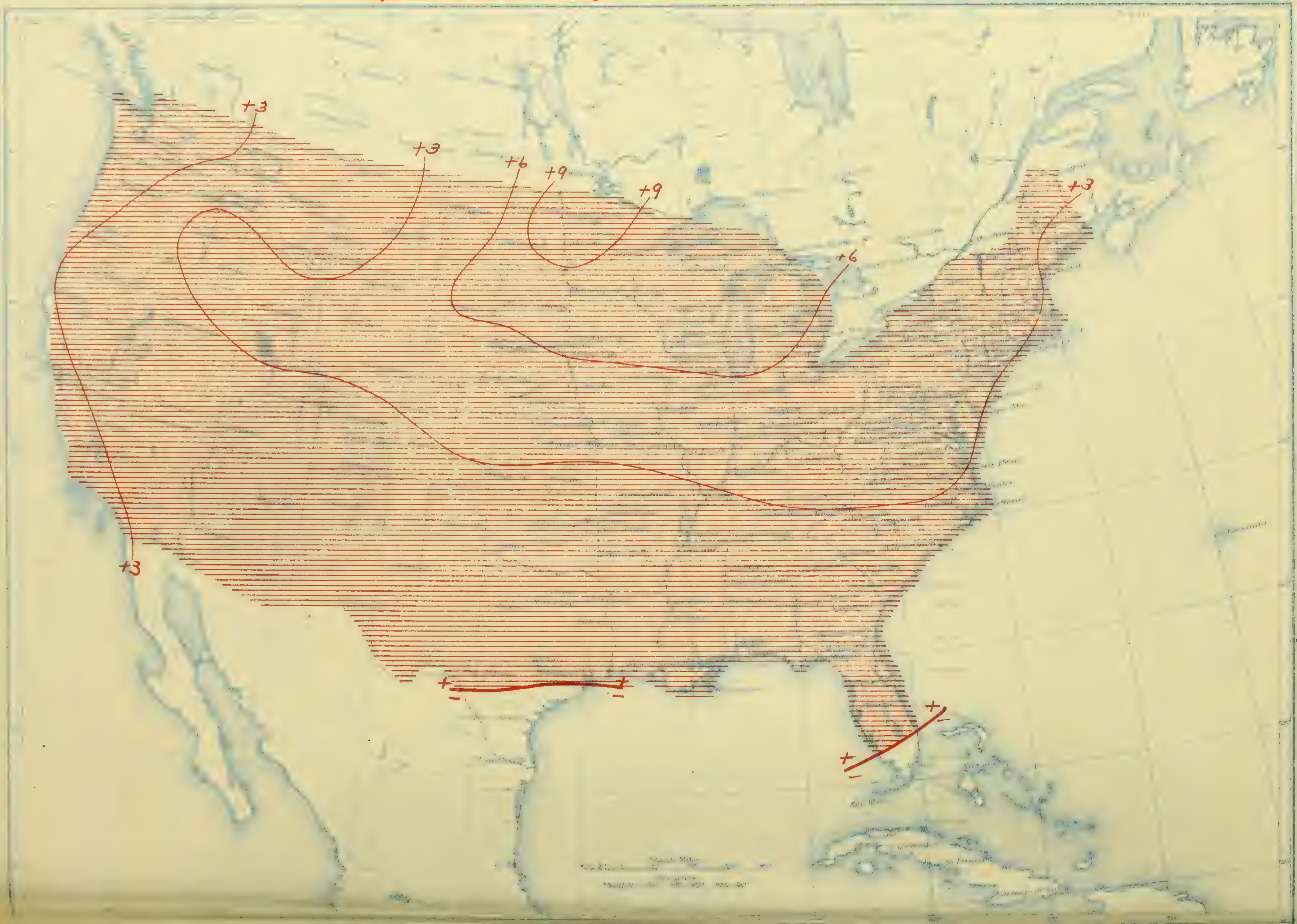
BY

HENRY F. ALCIATORE

SECTION DIRECTOR

RENO, NEV.
WEATHER BUREAU OFFICE
NOVEMBER 21, 1914.

Departure of the Mean Temperature from the Normal, October, 1914.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALCIATORE, Section Director.

Vol. XXIX. Reno, Nevada, October, 1914. No. 10.

GENERAL SUMMARY.

The most noteworthy feature of the weather was the unusually heavy rainfall in the Columbia and Humboldt basins. The month opened warm. On the 3d a spell of cold weather set in which lasted several days. High temperatures occurred during the period from the 13th to the 15th. Another cold spell began on the 21st and continued until the 24th, the lowest temperatures occurring at most stations during this period. The extremes of temperature, 96 and 14, were within the limits of previous years. As compared with the normal, there was an excess of temperature in all districts. The first autumnal killing frost occurred at Reno on the 4th and at Tonopah on the 22d.

There was considerably less sunshine than usual at Winnemucca and Reno, but at Tonopah the amount received was slightly above the normal. The average number of clear days for the whole section was 17.

Scattered showers occurred over large areas on several days, and fairly general rains on the 7th, 8th, 20th and 21st. The monthly fall averaged less than one-half inch and was deficient in all except the Columbia and Humboldt basins; at two northern and three southern stations there was no precipitation at all. The precipitation for the State as a whole was 0.07 inch below the normal. Snow occurred in parts of Elko, Eureka and Lander counties, the depth ranging from 0.2 inch to 3 inches. In the region about Bridgeport, Mono County, Cal., most of the snow had disappeared by the 17th, except the big drifts in the gulches and canyons, and above the Twin Lakes, there was very little snow left. The spillway at Twin Lakes, which had been washed out by the overflow from those lakes, has been rebuilt. In localities where the snow measured 22 feet in depth last spring, there is none now. A heavy fall of snow occurred on the 20th and 21st above the 8,000-foot level. Severe windstorms occurred frequently in October, but, so far, there has been very little rain or snow in the valley.

On the whole, the weather has been favorable to the agricultural interests, and the harvests were brought to a close under favorable conditions. The heavy rains in the northern districts have put the land in good condition for fall plowing.

PRESSURE.

The mean barometric pressure was below the normal.

TEMPERATURE.

The monthly mean temperature for the State, as shown by the records of 42 stations, was 51.5 degrees. The mean for the 27 stations having ten or more years record was 2.0 degrees above the normal. The highest temperature recorded was 96 degrees, at Rhyolite, on the 14th; the lowest was 14 degrees, at Quinn River Ranch, on the 4th and 23d.

HUMIDITY.

The mean relative humidity at the three regular Weather Bureau stations, based on the 5 a. m. and 5 p. m. observations, was 53 per cent.

PRECIPITATION.

The average precipitation for 47 stations in Nevada was 0.61 inch, and for the 27 stations having ten or more years record was 0.07 inch below the normal. The average amount at 2 stations in the Columbia Basin was 2.40 inches; at 18 stations in the Humboldt Basin, 0.96 inch; at 8 stations in the Truckee Basin, 1.22 inches; at 3 stations in the Carson Basin, 0.36 inch; at 5 stations in the Walker Basin, 0.18 inch; at 4 stations in the Colorado Basin, 0.06 inch, and at 15 stations in the minor basins, 0.18 inch. The greatest monthly fall was 2.65 inches at Jack Creek; no precipitation occurred at Tecoma, Caliente, Columbia, Quinn River Ranch and Tonopah.

WIND.

The average velocity at the three regular Weather Bureau stations for the month was 6.6 miles, which is about 0.5 mile below the normal. The prevailing directions were south, southwest and west.

SUNSHINE AND CLOUDINESS.

The percentage of sunshine received was 65 at Winnemucca, 65 at Reno and 78 at Tonopah. There was an average of 17 clear, 7 partly cloudy and 7 cloudy days. The average number of days with precipitation was 3, which is above normal.

MISCELLANEOUS PHENOMENA.

Thunderstorms.—(Date and number of stations reporting.): 1st, 3; 22d, 1.

High winds.—On the 2d, 16th and 17th.

McKinney, Cal.—The water level at Lake Tahoe fell 1.5 inches during the month.

COMPARATIVE DATA FOR OCTOBER.

Year.	Temperature.			Average precipitation.	Number of days				Prevailing wind.
	Mean.	Highest.	Lowest.		With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	52.2	103	14	1.48	6	10	9	12	w
1890	50.5	92	8	0.25	2	21	6	4	nw
1891	51.2	88	0	0.04	0	22	5	4	s
1892	47.5	91	2	0.32	3	15	7	9	sw
1893	48.9	94	8	0.12	1	19	6	6	sw
1894	51.7	94	5	0.33	2	22	4	5	sw
1895	49.9	100	−5	0.26	2	21	6	4	w
1896	50.3	94	11	0.24	1	20	6	5	w
1897	47.1	95	9	1.71	6	15	7	9	w
1898	45.9	86	7	0.23	2	19	5	7	w
1899	46.3	89	4	0.72	3	15	6	10	w
1900	47.7	82	4	0.80	3	15	7	9	sw
1901	50.7	90	17	1.11	5	16	6	9	sw
1902	49.8	97	13	0.26	1	20	5	6	s
1903	51.0	90	11	0.29	1	23	4	4	sw
1904	47.8	91	6	1.20	4	17	6	8	n
1905	45.8	96	0	0.05	0	24	4	3	n
1906	49.9	100	1	0.10	0	21	6	4	w
1907	54.2	96	13	0.98	4	16	8	7	s
1908	46.6	95	1	0.49	2	18	6	7	w
1909	50.4	89	7	0.61	3	18	7	6	w
1910	51.0	101	7	0.42	3	20	5	6	w
1911	47.7	90	6	0.36	2	21	5	5	w
1912	45.8	88	0	1.34	5	17	6	8	w
1913	49.8	91	5	0.28	1	21	6	4	w
1914	51.5	96	14	0.61	3	17	7	7	w
Entire period	49.3	103	−5	0.56	2	19	6	6	w

CORRECTIONS.

July, 1914.—Sand Pass, Washoe County, mean maximum temperature should be 93.8; mean temperature, 74.8; highest, 100, on the 1st; greatest daily range, 46.

September, 1914.—Elko, Elko County, departure from normal temperature should be —0.5.

LATE REPORTS.

September.—Lake Valley, Lincoln Co., mean temperature, 58.6; highest, 85 on 5th and 19th; lowest, 25 on 13th; total precipitation, 0.17 inch; days with rain, 2; clear, 20; partly cloudy, 9; cloudy, 1. Mina, Mineral Co., mean temperature, 65.9; highest, 91 on 1st; lowest, 40 on 8th and 10; no precipitation; clear days, 28; partly cloudy, 0; cloudy, 2. San Jacinto, Elko Co., mean temperature, 56.2; highest, 86 on 3d; lowest, 24 on 9th; total precipitation, 0.80; days with rain, 2; clear, 21; partly cloudy, 8; cloudy, 1.

Climatological data for October, 1914.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days				Prevailing direction of the wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted.)	With precipitation (0.01 inch or more.)	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek	Elko	6,600	1	44.0		71	14	23	4	39	1	2.16		1.16	T.	10				n	Forest Supervisor.
Jack Creek	do	6,300	1								1	2.65		0.80	2.0	9	13	8	10	w	C. E. Butler.
Owyhee	do	5,400	3								3										Indian Service.
San Jacinto ††	do	5,200	9	50.2	+6.6	80	7	24	25	45	9	1.11	+0.42	0.60	0	4	16	8	7		J. S. Parmley.
Humboldt Basin.																					
Arthur	Elko	6,500									4	1.80		0.60	3.0	5	20	4	7		Isaac Woodhouse.
Austin	Lander	6,594	25	49.6	+0.1	76	14	22	4	33	25	0.56	−0.10	0.22	0.2	3	18	11	2		Forest Service.
Battle Mountain	do	4,513	43	54.4	+4.7	84	†1	22	3	47	45	1.49	+1.03	0.71	0	4	17	7	7		Southern Pacific Co.
Beowawe	Eureka	4,695	43	52.0	+2.5	83	†2	22	†21	57	45	2.07	+1.58	1.06	0	2	18	3	10	se	Do.
Carlin	Elko	4,896	43	49.4	+4.9	82	1	18	3	56	43	1.02	+0.64	0.45	0	3	15	10	6		Western Pacific Co.
Clover Valley	do	6,000	13								21										I. F. W'seman.
Dry Farm	do	5,600	2	52.2^{e}		80^{i}	12	27	4	40^{i}	5	1.19		0.50	0	4	13	17	1	sw	Walfrid Sohlman.
Elko	do	5,063	43	48.9	+3.9	76	†1	25	†4	42	44	1.25	+0.73	0.37	0	4	13	6	12	sw	Western Pacific Co.
Eureka	Eureka	6,837	16	51.2	+2.1	78	14	22	4	40	18	0.54	−0.30	0.35	2.5	3	12	6	13	s	Clay Simms.
Golconda	Humboldt	4,392	35	50.8	+1.3	78	1	25	3	38	37	0.33	−0.14	0.12	0	5	13	8	10	w	Southern Pacific Co.
Halleck	Elko	5,229	21	45.8^{d}	+2.0	76	16	24^{h}	†9	48^{h}	45	1.16	+0.65	0.68	0	3	15	2	14		Do.
Hylton	do	7,081									4	1.25		0.48	T.	3	12	19	0		Chas. Toyne, sr.
Imlay §	Humboldt	4,209	1	50.9	+0.3	83	14	21	4	47	1	0.02	−0.70	0.01	0	2	15	3	13		Southern Pacific Co.
Lovelocks	do	3,977	20								18										High School.
Metropolis	Elko		1								5										O. M. Lloyd.
North Fork	do	6,500									5	1.40		0.80	2.0	5	9	8	14	w	Chas. Pratt.
Paradise Valley	Humboldt	4,500	1	49.2		81	14	22	4	45	5	1.52		0.55	0	7	15	4	12	sw	R. M. Taylor.
Potts	Nye	5,040	21	46.4	+2.2	73	26	16	†21	49	23	0.02	−0.31	0.02	0	1	10	10	11	n	Miss Maud Potts.
Rochester	Humboldt	7,300	1								1										S. G. Nims.
Shafter §	Elko	5,583	1								1										Geo. Kernan.
Tecoma	do	4,812	36	49.8	+3.8	83	2	15	17	62	37	0.00	−0.44	0.00	0	0	22	9	0		Southern Pacific Co.
Wells	do	5,631	42	49.1	+3.5	72	1	33	†3	35	45	0.99	+0.36	0.15	T.	10	12	11	8	sw	Do.
Winnemucca	Humboldt	4,344	35	50.2	+1.6	83	14	24	4	44	45	0.63	+0.11	0.31	0	6	15	5	11	ne	U. S. Weather Bureau.
Truckee Basin.																					
Fernley	Lyon	4,150	41	51.3	+1.1	87	15	16	23	52	45	0.10	−0.19	0.10	0	1	19	10	2		Mrs. A. G. Steele.
Glenbrook	Douglas	6,240	5	46.0		70	†1	26	†21	40	5	2.00		0.75	0	4	14	13	4	w	C. C. Henningsen.
Lewers Ranch ††	Washoe	5,500	26	51.4	+0.4	80	14	26	22	44	27	1.10	−0.18	0.50	0	3	16	11	4		Ross Lewers.
Marlette Lake	do	7,900									1	0.94		0.73	1.5	2	17	1	13	n	V. & G. H. Water Co.
Reno	do	4,532	27	51.8	+2.1	80	15	27	22	43	27	0.16	−0.25	0.13	0	3	16	9	6	w	U. S. Weather Bureau.
Bijou, Cal.	Eldorado	6,230									5										Chas. Young.
Cathedral Park, Cal.	do	6,400	2	47.7		70	†3	24	5	44	2	2.66		0.80	0	5	20	2	9	s	Carl Fluegge.
Hobart Mills, Cal.	Nevada	5,900									5	1.22		0.27	0	10	16	7	8	s	S. E. Patterson.
McKinney, Cal.	Placer	6,225	5								5	1.44		0.39	0	10	19	6	6	s	Fred Jensen.
Tahoe, Cal.	do	6,240	6	43.4		69	14	21	20	35	6	1.28		0.25	0	7	18	2	11	w	Robert Watson.
Tallac, Cal.	Eldorado	6,230									5										W. D. Butt.
Carson Basin.																					
Fallon	Churchill	3,965	20	52.3	+1.6	83	15	22	22	48	20	0.13	−0.28	0.08	0	2	17	7	7	w	U.S. Experiment Station
Gardnerville	Douglas	4,830	23	50.8^{f}	+0.1	77^{f}	14	22^{f}	†23	47^{f}	24	0.38	−0.08	0.35	0	2				w	Forest Service.
Lahontan ††	Churchill	4,200	2	56.0		83	†14	31	21	35	4	0.06		0.04	0	2	18	5	8	w	U.S. Reclamat'n Service
Markleeville, Cal.	Alpine	5,525									5	0.57		0.36	0	2	15	7	9	s	Mrs. Mary Thornburg.
Woodfords, Cal.	do	5,634									5										Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	7	55.1	+2.1	86	7	28	4	54	18	0.14	−0.14	0.10	0	2	9	0	22		Southern Pacific Co.
Smith	Lyon	4,800									6										C. M. Carter.
Thorne §	Mineral	4,200	1								1										Southern Pacific Co.
Yerington §	Lyon	4,375	5	49.6	+0.9	78	14	20	23	49	5	0.02	−0.18	0.02	0	1	15	9	7	nw	High School.
Bridgeport, Cal.	Mono	6,500	1	42.6		73	†13	13	23	54	3	0.25		0.12	0	4	15	11	5	w	A. F. Scott.
Lundy, Cal.	do	8,000									5	0.25		0.15	2.5	2	11	12	8	w	Mrs. Grace A. Kirkwoo
Shields Ranch, Cal.	do	5,300									5	0.24		0.19	0	2	12	17	2		Frank W. Chichester.
Colorado Basin.																					
Caliente §	Lincoln	4,407	4	46.1^{h}	−4.3	72^{h}	†19	24^{h}	†10	43^{h}	4	0.00	−0.50	0.00	0	0	27	4	0	sw	Salt Lake Route.
Indian Springs §	Clark	3,136	1								1										Ira McFarland.
Lake Valley	Lincoln	6,200	1	48.2		73	1	22	†4	49	1	0.20		0.20	0	1	25	5	1	s	Valley View Farm'g Co
Las Vegas	Clark	2,033	12	65.8	+5.2	91	14	40	5	43	12	T.	−0.25	T.	0	0	25	6	0	s	C. P. Squires.
Logan §	do	1,355	7	67.6	+2.1	92	†1	41	5	44	15	0.03	−0.65	0.03	0	1	25	5	1	s	Experiment Farm.
Minor Basins.																					
Cherry Creek	White Pine	6,450	6	49.8		74	16	20	6	36	6	0.39		0.30	0	2	20	8	3	w	J. H. Leishman.
Columbia	Esmeralda	5,700	7	53.6		78	14	28	22	38	9	0.00		0.00	0	0	22	4	5	se	A. Booth.
Gerlach	Washoe	3,931	2	51.4		82	14	21	22	50	2	0.04		0.02	0	2	13	8	10	w	Western Pacific Co.
Geyser §	Lincoln	6,055	10								10										Mrs. J. F. Wambolt.
Jean	Clark	2,864	6								7										Salt Lake Route.
Jungo	Humboldt	4,165	1								1										Western Pacific Co.
Lida §	Esmeralda	6,037	2	50.2	+3.6	71	26	29	4	37	2	T.	−1.04	T.	0	0	26	5	0	nw	L. F. Detwiler.
McDermit	Humboldt	4,700	24	45.6	−3.2	82	14	17	†18	53	24	0.74	−0.16	0.27	0	4	19	4	8	sw	S. G. Kern.
McGill §	White Pine	6,338	4	51.4	+7.0	79	1	25	4	42	4	0.05	−0.67	0.03	0	2	26	4	1	nw	R. E. Middagh.
Millett	Nye	6,002	6	42.7		64	†2	18	21	40	7	0.25		0.25	0	1	17	3	11		Fred J. Jones.
Oasis Ranch §	Esmeralda	5,106	2	51.4	+2.6	76	14	27	24	43	2	T.	−0.31	T.	0	0	28	3	0	s	A. S. Patterson.
Pahrump ††	Nye	2,668	1	63.7		90	5	38	22	47	1	0.05		0.05	0	1	27	2	2		F. A. Buol.
Quinn River Ranch	Humboldt	4,850	12	48.4	+1.2	87	15	14	†4	62	13	0.00	−0.49	0.00	0	0				s	F. M. Payne.
Rebel Creek	do	4,300	2	53.8		85	14	25	4	41	3	0.41		0.15	0	4	13	1	17	sw	Mrs. E. J. Hyatt.
Rhyolite	Nye	3,680	1	66.6^{g}		96^{g}	14	43^{g}	4	43^{g}	1	0.00		0.00	0	0				s	Secretary School Boa
Sand Pass	Washoe	4,198	1	53.5		79	13	25	22	43	1	0.15		0.08	0	3	17	6	8	w	R. R. Mott.
Searchlight	Clark	3,445	1	65.8		81	18	49	4	25	1	0.22		0.22	0	1	23	6	2	s	C. L. Aug. Mahn.
Sharp	Nye		1	49.9		73	1	27	4	39	1	0.30		0.30	0	1	24	6	1	w	F. A. Sears.
Sulphur	Humboldt	4,044	1								1	0.19		0.19	0	1	13	12	6		Western Pacific Co.
Tonopah	Nye	6,090	9	53.2		73	13	31	22	24	9	0.00		0.00	0	0	20	7	4	se	U. S. Weather Bureau.
Vya	Washoe		1								1										W. N. Lord.
For the State				51.5	+2.0	96	14	14	†4	62		0.61	−0.07	1.16	0.2	3	17	7	7	w	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used determining section or division means. § Normals based on data from nearby stations with long records.

Reference letters ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for October, 1914.

Stations.	Day of month.																															[illegible]
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia Basin.																																
Gold Creek	T.		.15	.10	.05		.05	.40	.10	.05							.05	.05			1.16											2.16
Jack Creek	.09	.11		.60			.07	.65	.22	.06							T.	T.		.80	.05									T.		2.65
Owyhee																																
San Jacinto				.20				.10	.21												.60											1.11
Humboldt Basin.																																
Arthur			.50				.10	.40	.20												.60											1.80
Austin ‖		T.					.22	.22								T.				.12	T.											0.56
Battle Mountain ‖		T.						.55									T.		T.	.23	*	.71										1.49
Beowawe ‖								1.06													1.01											2.07
Carlin		.15						.42												.45												1.02
Clover Valley																																
Dry Farm							.10	.39	.20													.50										1.19
Elko	.37		.31				T.		.31												.26											1.25
Eureka			.05					.14													.35											0.54
Golconda		.09						.01									.06			.05	.12											0.33
Halleck						T.	.28	.68									T.			.20	T.											1.16
Hylton			.47					.48													.30											1.25
Imlay		T.						.01									T.	.01												T.		0.02
Lovelocks																																
Metropolis																																
North Fork	.12		.11				T.	.80		.07											.30											1.40
Paradise Valley	.55	.12	.06				T.	.39	T.								.02	T.	T.	.07	.31									T.		1.52
Potts								T.												.02												0.02
Rose Creek																																
Shafter																																
Tecoma																																0.00
Wells		.15	.10	.15			.05	.15		.04					.06					.10	.12								.07			0.99
Winnemucca***	.13	.03					T.	.06		T.						T.	.10			.27	.04									T.		0.63
Truckee Basin.																																
Fernley			.10				T.	T.	T.																							0.10
Glenbrook								.25											.75										.25	.75		2.00
Lewers Ranch								.50											.30	T.									.30			1.10
Marlette Lake ‖								.21																					.73			0.94
Reno ***			.03			T.		T.	T.							T.	T.		T.	T.									.12	.01		0.16
Bijou, Cal																																
Cathedral Park, Cal								.60									.70		.80	.26									.30			2.66
Hobart Mills, Cal			.17					.10	.05	.13							.07	.06	.20	.09									.08	.27		1.22
McKinney, Cal			.05					.13	.02	.03							.11	.08	.39	.15									.27	.21		1.44
Tahoe, Cal			.19					.11		.16							.22			.25	.10								.25			1.28
Tallac, Cal																																
Carson Basin.																																
Fallon			.05																	.08												0.13
Gardnerville								T.												.03									.35			0.38
Lahontan ‖		.04				T.		.02																								0.06
Markleeville, Cal								T.								T.				.36									.21			0.57
Woodfords, Cal																																
Walker Basin.																																
Mina							T.											.04			.10											0.14
Smith																																
Thorne																																
Yerington						T.		T.								T.	T.			.02										T.		0.02
Bridgeport, Cal																				.12	.03									.09	.01	0.25
Lundy, Cal																				.15	.10											0.25
Shields Ranch, Cal										T.										.19									T.	.05		0.24
Colorado Basin.																																
Caliente																																0.00
Indian Springs																																
Lake Valley								.20																								0.20
Las Vegas																					T.											T.
Logan			.03																													0.03
Minor Basins.																																
Cherry Creek	.09																T.				.30											0.39
Columbia																																0.00
Gerlach		T.	.02					T.									T.			T.										.02		0.04
Geyser																																
Jean																																
Jungo																																
Lida																						T.										T
McDermit	.15	.08	.27				T.	T.		T.							T.		T.		.24	T.								T.		0.74
McGill		.02																			.03											0.05
Millett																					.25											0.25
Oasis Ranch																	T.															T.
Pahrump			.05																													0.05
Quinn River Ranch																																0.00
Rebel Creek		.01	.15				T.	T.	.15								T.		.10	T.								T.	T.			0.41
Rhyolite																																0.00
Sand Pass		.08				T.			T.								T.		.02										T.	.05		0.15
Searchlight			.22																			T.										0.22
Sharp																					.30											0.30
Sulphur					.19																											0.19
Tonopah***																																0.00
Vya																																

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight.

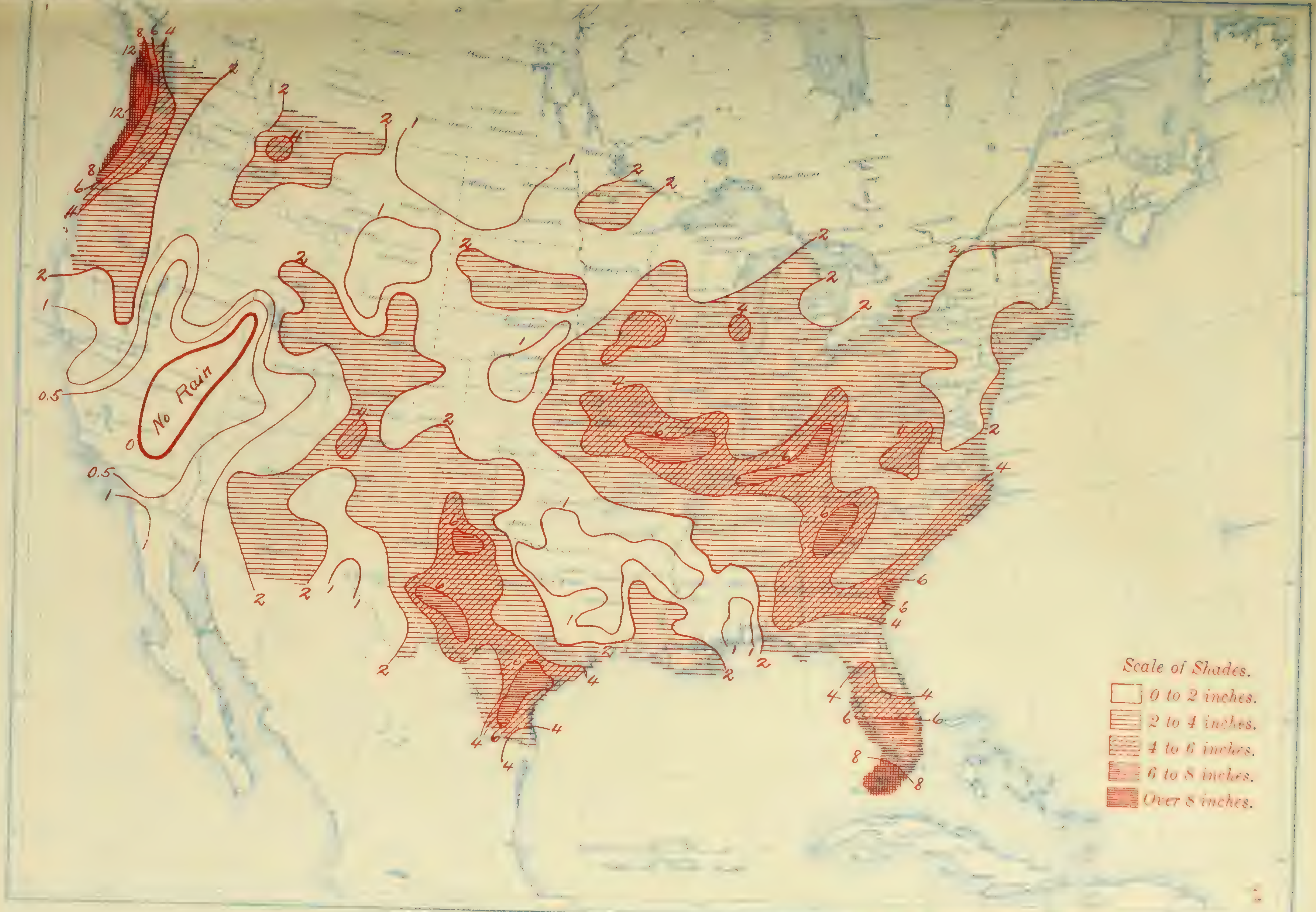
‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

T. Trace, or less than 0.01 inch.

Daily temperatures for October, 1914.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek	Maximum	69	65	45	45	49	48	54	47	52	50	49	60	68	71	68	66	60	50	60	49	45	46	53	59	63	64	64	64	59	....	58	56.7
	Minimum	35	37	28	23	27	35	36	33	35	31	27	24	30	32	35	33	45	35	36	32	31	32	24	27	27	28	30	29	31	....	28	31.2
San Jacinto	Maximum	79	76	75	73	76	78	80	79	76	70	67	71	64	62	76	72	68	69	69	64	63	66	67	65	65	59	61	60	63	66	68	69.3
	Minimum	38	33	30	31	32	33	36	38	36	34	26	30	31	32	35	32	36	35	34	33	34	31	26	25	24	25	26	25	28	27	28	31.1
Humboldt Basin.																																	
Austin	Maximum	69	65	60	55	62	60	62	58	58	59	64	68	72	76	72	67	58	64	64	49	40	50	59	63	64	68	67	66	59	67	60	62.1
	Minimum	38	32	34	22	39	42	40	31	34	29	32	38	51	44	42	50	39	40	40	32	28	31	36	37	36	40	40	43	38	36	32	37.0
Battle Mountain §§	Maximum	84	75	69	68	75	77	75	50	60	72	67	75	83	78	84	78	82	84	76	50	55	67	69	72	77	79	76	78	68	71	75	72.5
	Minimum	47	39	22	28	36	47	48	34	39	33	28	35	40	37	43	35	35	37	48	38	29	30	33	33	32	34	37	40	35	30	39	36.2
Beowawe §§	Maximum	82	83	81	80	82	80	83	72	64	68	69	73	80	80	80	75	70	72	70	70	70	70	69	74	70	66	77	76	74	69	68	74.1
	Minimum	35	35	24	24	34	33	33	30	34	23	24	29	32	24	23	38	28	29	43	33	22	22	27	29	28	23	29	34	36	33	34	29.8
Carlin	Maximum	82	80	70	76	72	70	62	54	62	64	62	72	78	80	79	77	65	70	74	70	68	70	68	70	74	68	76	75	71	70	72	71.0
	Minimum	30	31	18	24	26	20	34	32	30	24	22	28	26	24	25	40	35	32	42	38	25	26	28	25	24	26	30	24	25	24	28	27.9
Dry Farm	Maximum	50	....	....	....	....	....	....	....	....	....	71	80	69	73	70	72	71	63	67	63	61	60	58	64	61	65	68	66	64	63	63	65.5
	Minimum	41	51	33	27	31	35	45	35	38	40	38	40	35	40	41	43	43	38	46	42	40	39	28	38	40	39	37	43	42	44	37	39.0
Elko	Maximum	76	76	64	52	60	63	58	54	58	59	55	61	71	75	74	73	65	68	68	70	70	55	62	62	66	65	68	69	69	66	63	65.0
	Minimum	38	38	37	25	29	39	35	39	39	33	30	25	29	33	33	34	32	32	34	40	40	35	28	27	28	27	28	35	29	37	29	32.8
Eureka	Maximum	75	68	60	58	64	63	65	61	61	66	61	69	76	78	72	71	61	65	65	69	56	48	61	63	69	69	70	68	61	65	66	65.3
	Minimum	49	47	33	22	27	37	42	38	28	37	28	30	36	38	44	47	48	37	42	46	34	32	28	32	35	36	42	44	35	37	35	37.0
Golconda	Maximum	78	65	62	55	61	64	59	66	65	67	64	65	67	73	77	70	64	59	60	63	60	45	58	63	60	68	65	64	60	62	60	63.5
	Minimum	40	42	25	33	39	38	36	45	32	41	38	42	43	48	49	48	38	30	35	39	37	30	36	39	33	37	39	37	38	39	36	38.1
Halleck	Maximum	62	60	62	50	56	48	54	42	56	56	53	60	75	75	73	76	60	58	66	61	54	55	56	60	57	60	71	60	64	64	65	60.3
	Minimum	....	....	....	....	....	....	....	....	24	24	29	30	28	40	28	28	44	34	35	41	38	32	32	40	28	27	26	27	25	28	30	31.2
Imlay	Maximum	60	64	65	68	68	66	67	68	63	62	62	71	79	83	79	70	71	70	70	70	71	71	72	73	72	73	75	75	70	68	71	69.9
	Minimum	40	38	30	21	25	39	49	30	30	31	29	28	34	36	33	30	32	33	30	31	32	28	30	32	30	31	29	32	34	30	31	31.9
Paradise Valley	Maximum	72	72	52	55	64	63	63	53	60	59	57	68	77	81	77	74	62	57	63	53	48	57	63	67	70	71	71	72	66	63	66	64.4
	Minimum	42	41	33	22	34	38	42	41	31	45	27	26	32	36	36	43	47	27	40	38	39	28	25	28	29	30	31	30	33	35	29	34.1
Potts	Maximum	69	68	65	60	67	66	68	64	67	63	65	68	69	70	68	65	67	69	66	48	42	46	56	58	62	73	64	64	59	64	64	63.4
	Minimum	33	32	30	30	34	32	35	30	33	33	32	34	32	36	32	30	34	32	30	36	16	20	16	20	24	24	32	28	26	29	24	29.3
Tecoma	Maximum	82	83	75	81	72	70	65	70	62	70	64	70	70	70	70	70	70	70	65	70	68	70	69	70	82	62	67	67	68	67	70	70.3
	Minimum	20	36	27	38	35	25	35	40	38	29	28	32	35	25	35	37	15	20	35	30	35	32	35	20	35	30	22	21	22	20	22	29.3
Wells	Maximum	72	70	62	59	60	57	58	55	54	51	53	56	59	52	51	54	58	60	61	63	64	65	64	70	69	65	67	69	67	65	67	61.2
	Minimum	40	35	33	35	37	36	35	33	34	37	38	37	38	33	37	36	35	41	40	41	39	42	40	42	39	37	38	35	34	37	34	37.0
Winnemucca	Maximum	76	64	53	58	66	65	66	54	60	59	60	70	78	83	81	75	62	60	68	52	53	58	62	68	72	73	74	74	66	64	69	65.9
	Minimum	44	37	31	24	27	37	47	41	30	38	27	26	35	46	42	33	41	31	43	42	34	27	30	35	31	29	30	32	36	36	31	34.6
Truckee Basin.																																	
Fernley	Maximum	82	71	59	67	73	72	78	66	69	65	68	70	76	71	87	73	76	70	70	64	60	64	64	67	75	73	73	74	66	73	71	70.5
	Minimum	42	47	38	24	27	40	37	49	32	44	29	25	31	31	35	35	48	24	40	48	28	18	16	18	26	23	23	25	33	37	23	32.1
Glenbrook	Maximum	70	68	70	70	67	65	68	56	56	54	56	65	60	66	67	62	60	62	56	54	46	50	56	59	60	66	65	64	63	54	56	61.0
	Minimum	32	32	32	30	31	28	32	32	36	35	29	30	32	35	32	32	31	34	32	33	26	26	26	28	27	30	31	32	32	36	30	31.1
Lewer's Ranch	Maximum	74	63	62	64	72	69	67	59	69	60	64	69	76	80	77	75	72	70	68	53	56	65	63	65	74	70	72	72	65	62	70	67.6
	Minimum	45	42	42	29	31	40	38	41	39	45	31	32	32	38	39	36	35	32	31	41	27	26	29	28	31	35	36	38	40	32	34	35.3
Reno	Maximum	72	62	59	62	72	64	71	58	63	59	65	75	79	80	80	66	63	65	63	57	56	61	61	70	71	72	75	74	64	66	69	66.9
	Minimum	43	45	34	29	33	41	40	42	38	38	33	33	36	39	40	40	43	31	48	39	29	27	28	29	33	35	36	39	43	40	34	36.7
Cathedral Park, Cal.	Maximum	63	61	70	70	68	60	61	59	61	64	61	60	59	60	63	60	66	63	65	67	61	59	63	60	58	59	63	60	61	67	64	62.5
	Minimum	47	42	30	29	24	31	36	35	35	40	32	34	31	29	31	34	35	32	36	32	30	31	28	30	32	33	29	31	33	34	33	32.9
Tahoe, Cal.	Maximum	65	56	55	56	59	65	60	45	53	50	55	57	60	69	67	52	54	50	48	43	42	54	59	55	58	60	63	55	55	54	53	55.7
	Minimum	40	36	30	29	30	31	32	40	40	38	36	30	32	34	34	34	28	31	27	21	22	25	27	28	28	30	32	38	32	23	24	31.0
Carson Basin.																																	
Fallon	Maximum	79	73	62	59	72	66	73	65	66	68	63	70	77	82	83	75	65	69	70	60	59	59	61	67	71	72	75	74	68	69	71	69.1
	Minimum	45	37	42	26	27	40	35	50	31	38	31	28	32	34	39	37	53	31	41	47	37	22	24	26	30	32	33	33	43	47	31	35.5
Gardnerville	Maximum	71	67	60	....	69	66	68	65	64	67	....	....	72	77	76	71	64	....	....	69	56	59	60	65	70	....	72	71	65	64	66	67.0
	Minimum	41	39	39	....	27	32	30	42	35	57	....	....	28	30	34	39	49	....	....	30	30	35	22	22	26	....	30	34	42	37	32	34.5
Lahontan §§	Maximum	80	75	61	60	73	66	74	62	68	66	63	71	77	83	83	78	67	70	72	62	57	60	62	66	71	74	76	75	69	71	73	69.8
	Minimum	48	42	32	38	46	44	51	36	43	36	38	42	45	49	48	52	36	39	50	41	31	34	37	37	38	44	45	47	48	44	44	42.1
Walker Basin.																																	
Mina	Maximum	84	76	71	71	74	80	86	82	80	76	72	70	72	73	84	82	73	70	71	70	70	71	70	71	76	75	74	78	75	74	75	75.0
	Minimum	42	40	34	28	36	34	38	34	33	32	33	34	36	34	30	34	36	38	36	38	36	34	36	30	38	40	36	40	30	34	36	35.2
Yerington	Maximum	73	67	60	59	69	66	69	62	66	66	61	68	74	78	77	68	66	67	69	62	56	56	59	66	68	69	72	71	65	66	69	66.6
	Minimum	38	38	40	25	27	32	33	42	34	31	28	27	26	29	32	37	50	30	42	47	34	26	20	24	25	28	28	30	40	41	27	32.6
Bridgeport, Cal.	Maximum	68	60	53	61	64	62	65	60	60	61	60	60	73	73	70	59	59	53	62	57	53	53	59	61	65	65	65	62	60	61	61	61.5
	Minimum	27	30	23	16	17	23	19	34	27	37	15	15	19	20	22	30	48	23	30	37	23	14	13	14	18	19	20	21	31	32	20	23.8
Colorado Basin.																																	
Caliente	Maximum	64	60	64	58	52	52	54	58	58	56	66	70	70	68	62	60	60	64	72	72	70	....	....	....	....	....	....	....	....	68	68	62.9
	Minimum	34	40	39	40	33	28	26	29	29	24	24	28	28	26	24	27	27	28	30	29	28	....	....	....	....	....	....	....	....	26	26	29.3
Lake Valley	Maximum	73	70	57	57	63	65	67	60	62	67	60	68	71	71	70	70	70	66	68	68	58	57	60	63	65	69	68	69	62	65	68	65.4
	Minimum	39	38	34	22	25	28	42	34	38	32	28	26	22	36	28	28	38	40	32	31	35	28	30	32	25	27	29	29	26	31	27	31.0
Las Vegas	Maximum	90	87	77	75	82	86	85	80	82	86	88	88	90	91	87	87	87	88	86	86	78	77	80	82	82	85	83	83	80	81	82	83.9
	Minimum	55	57	61	49	40	43	45	43	45	48	45	46	48	49	45	49	51	50	48	48	51	52	51	49	50	56	45	42	42	42	43	47.8
Logan	Maximum	92	91	81	78	82	85	86	85	84	86	88	89	92	88	90	89	90	87	88	87	76	78	81	81	87	88	86	85	80	80	85	85.3
	Minimum	52	51	67	44	41	45	52	54	48	48	44	47	48	65	55	49	48	48	48	49	54	42	56	57	55	50	52	49	43	45	44	50.0
Minor Basins.																																	
Cherry Creek	Maximum	70	68	62	63	60	54	58	59	60	64	56	63	68	70	71	74	66	60	67	66	67	48	56	58	63	65	69	68	65	63	62	63.3
	Minimum	41	45	30	39	36	20	45	38	35	34	32	28	34	38	36	38	52	44	42	44	40	36	30	34	30	32	36	37	33	38	31	36.4
Columbia	Maximum	71	69	60	62	69	68	70	62	67	69	64	72	77	78	73	69	63	65	62	66	58	57	62	66	72	72	69	68	61	67	69	67.0
	Minimum	48	46	39	32	38	45	39	45	33	43	35	34	39	44	42	47	54	39	46	48	39	28	30	33	37	39	43	40	41	40	36	40.1
Gerlach	Maximum	76	71	57	67	71	71	70	69	63	60	63	70	76	82	80	75	70	61	62	58	56	59	60	66	70	70	75	73	68	62	62	67.5
	Minimum	41	45	37	35	30	44	45	46	31	46	33	30	36	32	34	35	36	27	43	48	28	21	30	33	28	33	30	32	35	42	28	35.3
Lida	Maximum	68	66	64	61	60	60	66	63	61	61	65	70	70	70	70	65	64	67	63	61	59	57	65	67	64	71	70	65	61	60	62	64.4
	Minimum	42	44	41	29	36	32	36	34	31	30	41	37	43	39	37	44	42	35	33	33	31	34	36	35	33	34	35	32	36	35	34	35.9
McDermit	Maximum	71	60	49	60	64	60	61	56	60	55	57	68	78	82	79	73	62	51	58	55	51	57	65	68	70	71	70	74	68	63	65	63.9
	Minimum	35	30	23	21	28	30	35	33	22	29	20	21	27	29	28	30	35	17	28	29	28	17	21	30	26	30	30	31	30	28	27	27.4
McGill	Maximum	79	69	61	65	65	63	60	65	62	68	61	68	73	75	74	71	65	67	70	69	63	52	60	63	62	71	72	70	66	65	68	66.5
	Minimum	49	46	40	25	28	42	40	44	33	39	31	29	31	38	33	43	49	42	40	39	41	38	31	31	29	34	31	33	34	35	30	36.4
Millett	Maximum	60	64	54	45	60	59	59	50	59	54	57	42	59	52	52	59	56	59	60	52	41	52	63	50	57	64	55	59	58	57	56	55.6
	Minimum	38	43	40	21	20	35	38	40	25	32	28	32	26	30	31	35	31	35	31	34	18	23	26	21	24	25	28	26	31	32	26	29.8
Oasis Ranch	Maximum	72	73	62	62	67	68	69	61	65	68	64	68	74	76	73	65	68	68	68	65	61	62	64	65	69	70	66	68	69	72	68	67.4
	Minimum	46	43	40	33	36	40	32	42	29	33	33	28	31	35	45	44	42	36	43	41	29	28	28	27	31	34	37	36	34	31	30	35.4
Pahrump	Maximum	88	80	80	74	90	85	89	81	89	80	83	84	88	85	88	79	80	86	78	86	87	72	83	88	86	83	80	81	78	72	81	82.7
	Minimum	53	52	53	44	50	49	46	51	44	41	40	49	48	43	49	43	49	41	48	39	42	38	45	44	40	40	41	44	41	40	39	44.7
Quinn River Ranch	Maximum	82	62	....	62	70	67	70	60	64	59	60	71	....	....	87	77	63	57	63	57	60	65	66	72	73	72	75	77	72	67	70	67.9
	Minimum	25	42	....	14	24	34	45	42	25	36	27	22	....	....	25	25	47	17	47	36	32	15	14	16	25	23	24	35	30	40	25	29.0
Rebel Creek	Maximum	78	68	57	54	65	67	65	57	64	59	71	75	80	85	80	75	64	69	72	69	62	58	69	70	75	75	70	75	68	64	65	68.5
	Minimum	44	42	40	25	38	44	42	45	34	42	31	38	40	50	44	41	41	32	48	50	32	30	30	29	38	35	42	47	38	44	34	39.0
Rhyolite	Maximum	86	84	78	76	73	76	79	80	77	77	88	80	86	96	87	....	....	....	....	....	....	....	92	92	79	80	77	80	84	75	77	81.6
	Minimum	55	51	59	43	50	49	50	50	47	50	60	52	57	63	54	....	....	....	....	....	....	....	49	49	50	51	51	50	51	51	48	51.7
Sand Pass	Maximum	78	66	60	65	74	74	75	78	66	61	65	73	79	78	72	73	65	67	64	62	59	63	65	69	72	73	75	72	72	62	69	69.2
	Minimum	46	47	34	28	34	50	45	45	36	47	33	33	36	39	40	40	51	27	49	43	27	25	28	32	34	31	35	38	43	41	34	37.8
Searchlight	Maximum	76	74	68	68	72	71	71	69	68	76	78	76	78	78	78	80	78	81	80	79	70	69	79	75	74	79	74	78	74	74	76	74.9
	Minimum	60	58	53	49	50	54	52	51	50	55	53	61	65	64	62	56	54	65	66	65	60	55	56	57	62	62	54	53	54	55	51	56.8
Sharp	Maximum	73	68	60	58	65	67	70	65	62	68	61	67	70	70	63	70	66	67	67	68	61	57	61	61	60	61	61	62	65	64	69	64.7
	Minimum	42	38	47	27	29	36	41	38	28	37	38	32	37	40	38	37	38	38	34	35	36	31	29	34	33	34	33	34	35	30	30	35.1
Tonopah	Maximum	67	63	52	54	61	62	64	56	60	64	60	67	73	73	69	65	60	60	59	61	45	52	58	61	66	68	66	64	59	62	65	61.8
	Minimum	51	47	36	33	39	44	47	43	38	43	38	44	53	53	52	50	53	39	46	45	35	31	34	45	49	51	51	49	47	47	46	44.5

a, b, c, etc., indicates respectively 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


No Rain
Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.

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CLIMATOLOGICAL DATA

NEVADA SECTION

NOVEMBER, 1914

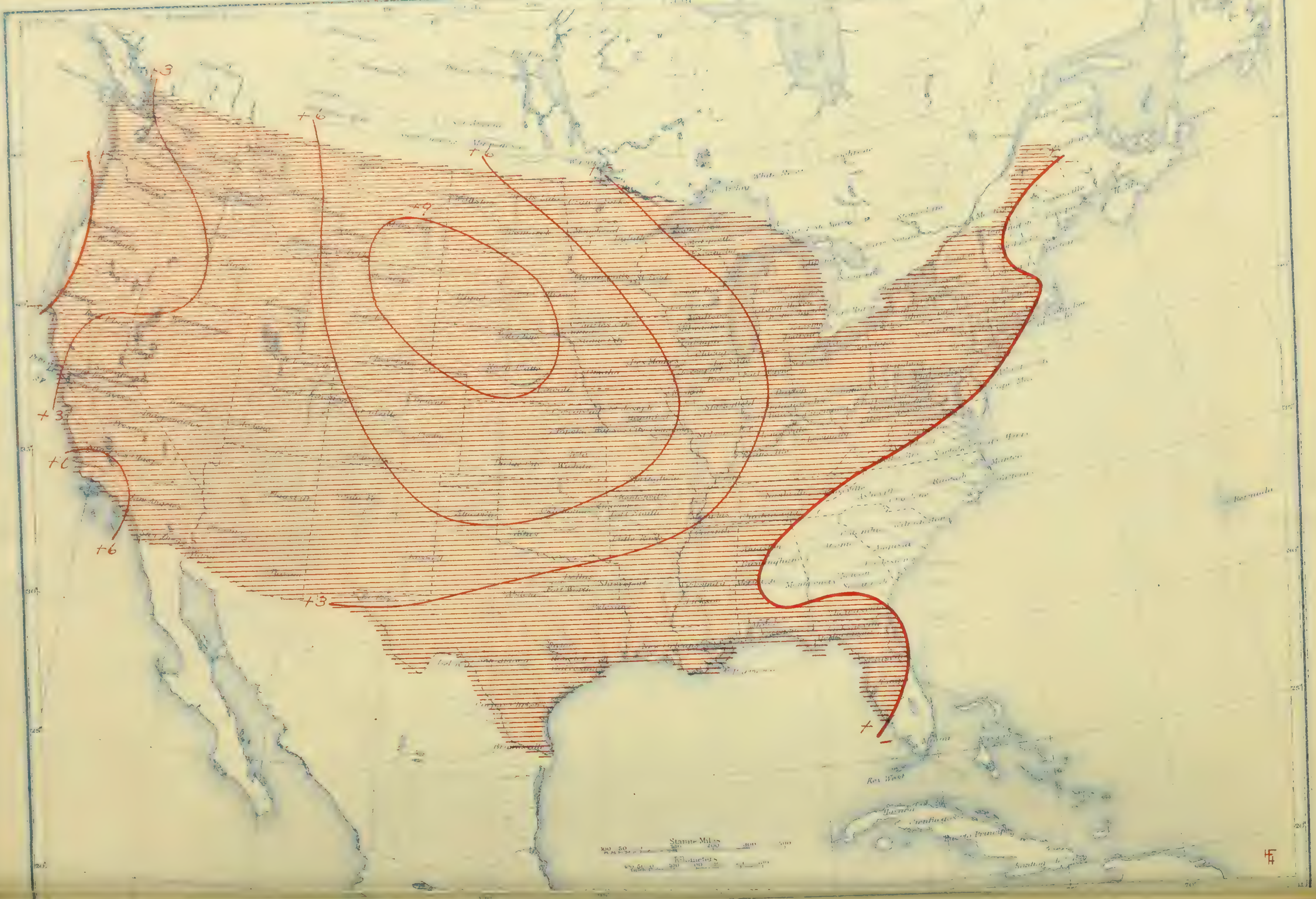
BY

HENRY F. ALCIATORE

SECTION DIRECTOR

RENO, NEV.
WEATHER BUREAU OFFICE
DECEMBER 18, 1914.

Departure of the Mean Temperature from the Normal, November, 1914



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALCIATORE, Section Director.

Vol. XXIX. Reno, Nevada, November, 1914. No. 11.

GENERAL SUMMARY.

This has been the driest November that Nevada has experienced in the last 25 years. Barring scattered showers on the 1st, and a light fall of snow in the northern districts on the 28th and 29th, the month was practically rainless.

Mild temperature prevailed from the 1st to the 12th, the maximum temperatures at many stations occurring on the 4th and 5th. The weather was abnormally cold during the week ending on the 23d, and again on the last two or three days. Minimum temperatures below zero were recorded in the northern district. At Tecoma, Elko County, near to the Utah border line, the thermometer dropped below the zero mark on nine consecutive nights, the lowest reading, 11 degrees below zero, being the minimum for the entire State. The first killing frosts of the season in the extreme southern part of the Section occurred during the last decade. As compared with the normal there was an excess of temperature at most stations, but the extremes were within the limits of previous years.

The average precipitation for the whole State was only .03 inch. This is only 2 per cent of that of the preceding November, and establishes a new record for dryness. (November, 1892, the wettest of record, had an average of 2.08 inches.) At 38 out of 51 stations reporting there was neither rain nor snow, or only a trace. In the Carson, Walker and Colorado basins the month was phenomenally dry, and even in those localities where precipitation occurred it was deficient.

The snowfall also was deficient. The depth of snow at three representative mountain snowfall stations in the Lake Tahoe district averaged less than two inches, as against fourteen inches for the corresponding month of 1913. In Nevada, the fall was from a trace to 2 inches; last November the fall ranged from 0.2 inch to 10 inches.

Fair, sunshiny days predominated. The amount of sunshine at three regular Weather Bureau stations ranged from 81 to 88 per cent, which is 16 to 18 per cent above the normal. About 73 per cent of the days were sunny and pleasant. The only unfavorable effect of the great dryness has been a scarcity of water on the ranges in the cattle and sheep raising districts.

PRESSURE.

The mean barometric pressure was above the normal.

TEMPERATURE.

The monthly mean temperature for the State, as shown by the records of 42 stations, was 41.6 degrees. The mean for the 26 stations having ten or more years record was 1.5 degrees above the normal. The highest temperature recorded was 88 degrees, at Logan, on the 2d and at Pahrump on the 3d; the lowest was 11 degrees below zero, at Tecoma, on the 22d.

HUMIDITY.

The mean relative humidity at the three regular Weather Bureau stations, based on the 5 a. m. and 5 p. m. observations, was 46 per cent.

PRECIPITATION.

The average precipitation for 51 stations in Nevada was 0.03 inch, and for the 26 stations having ten or more years record it was 0.67 inch below the normal. The average amount at 3 stations in the Columbia Basin was 0.16 inch; at 18 stations in the Humboldt Basin, 0.03 inch; at 10 stations in the Truckee Basin, 0.25 inch; at 5 stations in the Carson Basin, a trace; at 5 stations in the Walker Basin, 0.01 inch; at 3 stations in the Colorado Basin, no precipitation occurred; at 19 stations in the minor basins, 0.01 inch. The greatest monthly fall was 0.29 inch at Gold Creek; no precipitation occurred at 20 stations

WIND.

The average velocity at the three regular Weather Bureau stations for the month was 5.8 miles, which is about 1.3 miles below the normal. The prevailing directions were southwest and west.

SUNSHINE AND CLOUDINESS.

The percentage of sunshine received was 81 at Winnemucca, 82 at Reno and 88 at Tonopah. There was an average of 22 clear, 5 partly cloudy and 3 cloudy days. The average number of days with precipitation was 0, which is below normal.

MISCELLANEOUS PHENOMENA.

Thunderstorms.—(Date and number of stations reporting.): 1st, 1; 28th, 1.

Brisk winds.—On the 11th, 13th and 27th.

McKinney, Cal.—The water level at Lake Tahoe fell 5.25 inches during the month.

COMPARATIVE DATA FOR NOVEMBER.

Year.	Temperature.			Average precipitation.	Number of days				Prevailing wind.
	Mean.	Highest.	Lowest.		With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	39.6	81	4	1.08	3	15	6	9	s
1890	40.9	86	5	0.18	1	23	4	3	nw
1891	41.3	81	− 2	0.09	1	15	9	6	n
1892	38.7	76	−13	2.08	3	13	9	8	s
1893	38.2	74	− 8	0.83	4	14	5	11	sw
1894	43.7	83	−12	0.08	0	20	7	3	w
1895	35.9	80	−10	0.67	4	12	8	10	w
1896	35.6	79	−23	1.10	4	10	7	13	sw
1897	40.3	77	− 6	0.69	3	12	8	10	w
1898	35.1	77	−10	1.10	4	15	6	9	w
1899	40.8	73	3	0.50	3	11	7	12	w
1900	40.7	78	1	1.34	5	13	6	11	sw
1901	43.1	80	12	0.53	2	14	9	7	sw
1902	37.2	82	− 3	1.25	5	12	7	11	sw
1903	41.8	89	4	0.67	2	15	8	7	s
1904	41.8	80	2	0.06	0	16	8	6	w
1905	36.4	88	−10	1.11	4	16	5	9	n
1906	35.5	83	−22	0.93	4	10	8	12	n
1907	40.2	78	− 1	0.21	1	20	5	5	w
1908	38.3	83	−13	0.15	1	18	7	5	w
1909	40.1	86	−10	0.51	5	11	8	11	w
1910	42.2	80	− 8	0.46	2	13	8	9	w
1911	36.7	76	− 9	0.26	2	19	6	5	w
1912	39.9	78	3	0.60	3	18	6	6	w
1913	40.3	83	− 5	1.28	6	12	7	11	w
1914	41.6	88	−11	0.03	0	22	5	3	w
Entire period	39.8	89	−23	0.68	3	15	7	8	w

LATE REPORTS.

September, 1914.—Shafter, Elko County, mean temperature, 52.6; highest, 84 on the 2d; lowest, 20 on the 13th and 21st; total precipitation 0.62 inch; days with rain, 4; clear, 18; partly cloudy, 8; cloudy, 4.

October, 1914.—Clover Valley, Elko, County, mean temperature, 49.6; highest 75 on the 13th; lowest 23 on the 4th; total precipitation, 0.55 inch; days with rain, 4; clear, 13; partly cloudy, 12; cloudy, 6. Shafter, Elko County, mean temperature, 47.6; highest, 72 on the 16th; lowest, 18 on the 31st; total precipitation, 0.78 inch; days with rain, 5; clear, 16; partly cloudy, 6; cloudy, 9. Smith, Lyon County, total precipitation, a trace. Woodfords, Alpine County, Cal., total precipitation, 0.54 inch; days with rain, 4; clear, 15; partly cloudy, 13; cloudy, 3.

Climatological data for November, 1914.

Stations.	Counties.	Temperature, in degrees Fahr.: Elevation, feet.	Length of record, years.	Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation, in inches: Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted.)	Number of days: With precipitation (0.01 inch or more.)	Clear.	Partly cloudy.	Cloudy.	Prevailing direction of the wind.	Observers.
Columbia Basin.																					
Gold Creek	Elko	6,600	1	34.9	...	64	÷1	-5	30	50	1	0.29	...	0.26	1.0	2	20	4	6	n	Forest Supervisor.
Jack Creek	do	6,300	1	...	...	...	...	...	...	...	1	0.20	...	0.11	2.0	2	23	5	2	...	C. E. Butler.
Owyhee ††	do	5,400	3	37.6	...	70	11	8	÷15	55	3	0.05	...	0.05	0.5	1	...	...	...	...	Indian Service.
San Jacinto	do	5,200	9	35.4	-1.9	68	3	4	13	51	9	T.	-0.65	T.	0.2	0	27	3	0	nw	J. S. Parmley.
Humboldt Basin.																					
Arthur	Elko	6,500	...	...	...	...	...	...	...	...	4	0.20	...	0.20	2.0	1	26	3	1	...	Isaac Woodhouse.
Austin	Lander	6,594	25	42.2	+3.2	70	4	13	29	35	25	0.00	-0.64	0.00	0	0	26	2	2	...	Forest Service.
Battle Mountain	do	4,513	43	41.2	+3.8	78	5	6	20	56	45	T.	-0.51	T.	T.	0	24	0	6	...	Southern Pacific Co.
Beowawe	Eureka	4,695	43	37.0	+0.5	67	5	4	÷20	54	45	0.00	-0.61	0.00	0	0	22	7	1	se	Do.
Carlin	Elko	4,896	43	34.9	-0.7	72	÷4	-4	20	62	43	T.	-0.55	T.	T.	0	22	6	2	...	Western Pacific Co.
Clover Valley	do	6,000	13	40.2	-3.4	75	5	5	15	56	21	0.10	-1.67	0.10	0.8	1	23	5	2	...	I. F. Wiseman.
Dry Farm	do	5,600	2	41.8	...	69	4	11	30	39	5	T.	...	T.	T.	0	20	8	2	sw	Walfrid Sohlman.
Elko	do	5,063	43	34.8	-0.4	67	5	1	÷21	50	44	T.	-0.69	T.	T.	0	20	7	3	w	Western Pacific Co.
Eureka	Eureka	6,837	16	43.4	+4.1	71	4	10	30	42	18	T.	-0.73	T.	T	0	19	6	5	n	Clay Simms.
Golconda	Humboldt	4,392	35	38.6	-0.8	67	÷5	11	÷21	51	37	0.00	-0.39	0.00	0	0	25	1	4	...	Southern Pacific Co.
Halleck	Elko	5,229	21	37.2	+4.2	68	÷2	0	19	59	45	T.	-0.52	T	T.	0	22	0	8	...	Do.
Hylton	do	7,081	...	...	...	...	...	...	...	...	4	0.05	...	0.05	0.5	1	24	6	0	...	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	1	36.4	-3.5	69	2	1	21	53	1	T.	-0.78	T.	T.	0	24	0	6	...	Southern Pacific Co.
Lovelocks	do	3,977	20	...	...	...	...	...	...	...	18	...	...	...	...	...	...	...	...	...	High School.
Metropolis	Elko	5,761	1	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...	...	...	O. M. Lloyd.
North Fork	do	6,500	...	...	...	...	...	...	...	...	5	0.06	...	0.06	2.0	1	20	6	4	w	Chas. Pratt.
Paradise Valley	Humboldt	4,500	1	36.8	...	69	5	5	21	53	5	0.02	...	0.02	T.	1	15	10	5	sw	R. M. Taylor.
Potts	Nye	5,040	21	...	...	...	...	...	...	...	23	...	...	...	...	...	...	...	...	...	Miss Maud Potts.
Shafter §	Elko	5,583	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	Geo. Kernan.
Tecoma	do	4,812	36	32.2	-2.0	68	1	-11	22	73	37	0.00	-0.40	0.00	0	0	21	9	0	...	Southern Pacific Co.
Wells	do	5,631	42	36.4	+2.7	70	2	7	÷21	41	45	0.11	-0.61	0.07	0.7	4	14	11	5	...	Do.
Winnemucca	Humboldt	4,344	35	37.8	+0.3	71	5	5	20	52	45	0.02	-0.72	0.01	0.1	2	18	5	7	ne	U. S. Weather Bureau
Truckee Basin.																					
Fernley	Lyon	4,150	41	40.4	+0.5	76	5	10	20	56	45	0.00	-0.36	0.00	0	0	27	3	0	...	Mrs. A. G. Steele.
Glenbrook	Douglas	6,240	5	41.2	...	62	2	23	÷18	32	5	0.10	...	0.10	T.	1	22	8	0	w	C. C. Henningsen.
Lewers Ranch ††	Washoe	5,500	26	43.8	+1.0	71	4	15	30	41	27	0.02	-3.08	0.02	0.2	1	20	10	0	...	Ross Lewers.
Marlette Lake	do	7,900	...	...	...	...	...	...	...	...	1	0.00	...	0.00	0	0	21	1	8	w	V. & G. H. Water Co.
Reno	do	4,532	27	43.4	+2.4	76	4	16	20	45	27	T.	-1.09	T.	T.	0	19	10	1	w	U. S. Weather Bureau
Bijou, Cal.	Eldorado	6,230	...	...	...	...	...	...	...	...	5	0.14	...	0.06	1.2	3	19	6	5	n	Chas. Young.
Cathedral Park, Cal.	do	6,400	2	45.6	...	68	÷6	15	30	37	2	0.79	...	0.40	5.1	5	19	3	8	s	Carl Fluegge.
Hobart Mills, Cal.	Nevada	5,900	...	...	...	...	...	...	...	...	5	0.29	...	0.11	5.0	4	19	4	7	n	S. E. Patterson.
McKinney, Cal.	Placer	6,225	5	...	...	...	...	...	...	...	5	0.56	...	0.28	5.0	5	19	8	3	sw	Fred Jensen.
Tahoe, Cal.	do	6,240	6	37.8	...	61	5	10	29	37	6	0.50	...	0.19	0.6	4	16	3	11	w	Robert Watson.
Tallac, Cal.	Eldorado	6,230	...	...	...	...	...	...	...	...	5	0.16	...	0.07	2.0	3	19	6	5	n	W. D. Butt.
Carson Basin.																					
Fallon	Churchill	3,965	20	39.6	-0.1	75	5	10	÷20	50	20	0.00	-0.28	0.00	0	0	17	11	2	ne	U.S. Experiment Stat
Gardnerville	Douglas	4,830	23	39.8[f]	-3.0	70[f]	5	9[f]	20	46[f]	24	0.00	-1.57	0.00	0	0	...	...	...	sw	Forest Service.
Lahontan	Churchill	4,200	2	45.5	...	76[d]	5	20	29	36[d]	4	0.00	...	0.00	0	0	25	3	2	w	U.S. Reclamat'n Ser
Markleeville, Cal.	Alpine	5,525	...	...	...	...	...	...	...	...	5	T.	...	T.	T.	0	19	6	5	s	Mrs. Mary Thornbu
Woodfords, Cal.	do	5,634	...	...	...	...	...	...	...	...	5	T.	...	T.	0	0	24	6	0	sw	Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	7	...	...	...	...	...	...	...	18	...	...	...	...	...	...	...	...	...	Southern Pacific Co.
Smith	Lyon	4,800	...	...	...	...	...	...	...	...	6	0.00	...	0.00	0	0	20	8	2	sw	C. M. Carter.
Thorne §	Mineral	4,200	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	Southern Pacific Co
Yerington §	Lyon	4,375	5	37.7	-1.3	72	5	4	22	54	5	0.00	-0.38	0.00	0	0	24	5	1	nw	High School.
Bridgeport, Cal.	Mono	6,500	1	33.9	...	66	4	0	÷20	57	3	0.00	...	0.00	0	0	19	4	7	n	A. F. Scott.
Lundy, Cal.	do	8,000	...	...	...	...	...	...	...	...	5	0.05	...	0.05	0.5	1	19	10	1	w	Mrs. Grace A. Kirkw
Shields Ranch, Cal.	do	5,300	...	...	...	...	...	...	...	...	5	0.00	...	0.00	0	0	20	8	2	...	Frank W. Chichester
Colorado Basin.																					
Caliente §	Lincoln	4,407	4	40.9	...	70	8	2	÷26	53	4	0.00	...	0.00	0	0	21	0	9	s	Salt Lake Route.
Indian Springs §	Clark	3,136	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	Ira McFarland.
Lake Valley	Lincoln	6,200	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	Valley View Farm'g
Las Vegas	Clark	2,033	12	56.2	+6.7	85	÷3	25	22	50	12	0.00	-0.33	0.00	0	0	26	1	3	s	C. P. Squires.
Logan §	do	1,355	7	57.0	+4.0	88	2	27	23	47	15	0.00	-0.48	0.00	0	0	22	5	3	...	Experiment Farm.
Minor Basins.																					
Cherry Creek	White Pine	6,450	6	38.8	...	70	4	9	÷15	44	6	0.04	...	0.04	T.	1	25	4	1	w	J. H. Leishman.
Columbia	Esmeralda	5,700	7	43.8	...	72	4	13	30	40	9	0.04	...	0.04	0	1	21	4	5	nw	A. Booth.
Gerlach	Washoe	3,931	2	38.7	...	71	5	2	21	48	2	T.	...	T.	T.	0	20	4	6	w	Western Pacific Co.
Geyser §	Lincoln	6,055	10	...	...	...	...	...	...	...	10	...	...	...	...	...	...	...	...	...	Mrs. J. F. Wambolt.
Jean	Clark	2,864	6	...	...	...	...	...	...	...	7	...	...	...	...	...	...	...	...	...	Salt Lake Route.
Jungo	Humboldt	4,165	1	...	...	...	...	...	...	...	1	0.00	...	0.00	0	0	20	0	10	sw	Western Pacific Co.
Lida §	Esmeralda	6,037	2	41.0	+2.9	70	4	12	30	38	2	T.	-0.99	T.	0	0	11	18	1	nw	L. F. Detwiler.
McDermit	Humboldt	4,700	24	38.8	+1.3	67	5	10	14	47	24	0.08	-0.81	0.08	0.8	1	26	3	1	sw	U. S. Indian Servic
McGill §	White Pine	6,338	4	42.4	+6.9	72	4	10	30	43	4	T.	-0.78	T.	T.	0	29	0	1	nw	R. E. Middagh.
Millett	Nye	6,302	6	...	...	...	...	-4	29	...	7	0.00	...	0.00	0	0	21	6	3	...	Fred J. Jones.
Oasis Ranch §	Esmeralda	5,106	2	40.7	+3.1	70	5	7	÷29	48	2	T.	-0.36	T.	0	0	24	6	0	sw	A. S. Patterson.
Pahrump	Nye	2,668	1	54.4	...	88	3	19	19	54	1	0.00	...	0.00	0	0	27	2	1	...	F. A. Buol.
Quinn River Ranch	Humboldt	4,850	12	35.9[f]	-2.4	72[f]	4	-6[e]	21	68[f]	13	T.	-0.56	T.	0	0	...	...	...	s	F. M. Payne.
Rebel Creek	do	4,300	2	43.0	...	70	÷3	12	÷15	45	3	T.	...	T.	T.	0	24	2	4	sw	Mrs. E. J. Hyatt.
Rhyolite	Nye	3,680	1	58.0	...	85	÷5	32	27	44	1	0.00	...	0.00	0	0	19	1	10	s	Secretary School B
Sand Pass	Washoe	4,198	1	40.6	...	73	5	10	21	44	1	0.01	...	0.01	T.	1	27	1	2	e	R. R. Mott.
Searchlight	Clark	3,445	1	59.4	...	77	5	40	29	28	1	0.02	...	0.02	0	1	23	5	2	n	C. L. Aug. Mahn.
Sharp	Nye	6,200	1	40.6	...	72	4	5	30	52	1	0.00	...	0.00	0	0	...	...	...	w	F. A. Sears.
Sulphur	Humboldt	4,044	1	...	...	...	...	...	...	...	1	0.00	...	0.00	0	0	19	10	1	...	Western Pacific Co.
Tonopah	Nye	6,090	9	46.6	...	68	4	20	30	24	9	0.00	...	0.00	0	0	22	7	1	se	U. S. Weather Bure
Vya	Washoe	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	W. N. Lord.
For the State	...	...	...	41.6	+1.5	88	3	-11	22	73	...	0.03	-0.67	0.40	0.2	0	22	5	3	w	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are us determining section or division means. § Normals based on data from nearby stations with long records.

Reference letters [a], [b], [c], appearing in the table indicate number of days missing; for example, [b] represents two days missing, etc.

÷ Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for November, 1914.

Stations.	Day of month																															[illegible]
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia Basin.																																
Gold Creek													T.															.03		.06		0.09
Jack Creek	T																											.11	.09			0.20
Owyhee																																
San Jacinto																													T			T
Humboldt Basin.																																
Arthur																													.20			0.20
Austin ||																																0.00
Battle Mountain ||																													T			T
Beowawe ||																																0.00
Carlin																												T	T			T
Clover Valley																													.10			0.10
Dry Farm																												T				T
Elko																												T	T			T
Eureka																												T				T
Golconda																																0.00
Halleck																												T	T			T
Hylton																											T			.05		0.05
Imlay																													T			T
Lovelocks																																
Metropolis																																
North Fork																													.06			0.06
Paradise Valley																												T	.02	T		0.02
Potts																																
Rose Creek																																
Shafter																																
Tecoma																																0.00
Wells												.07						.01										.01	.05			0.14
Winnemucca***	T.																											.01	.01			0.02
Truckee Basin.																																
Fernley																																0.00
Glenbrook	.10																											T.				0.10
Lewers Ranch																																
Marlette Lake ||																																0.00
Reno ***	T.																											T	T			T
Bijou, Cal	.06												T.															.06	.02			0.14
Cathedral Park, Cal	.20													.08													.01	.40	.10			0.79
Hobart Mills, Cal	.11												.05														T.	.06	.07			0.29
McKinney, Cal	.18												.04														.02	.28	.01			0.56
Tahoe, Cal	.16												.19															.10	.05			0.50
Tallac, Cal	.07												T.															.07	.02	T.		0.16
Carson Basin.																																
Fallon																																0.00
Gardnerville																																0.00
Lahontan ||																																0.00
Markleeville, Cal	T.																											T.	T.			T.
Woodfords, Cal																													T	T		T
Walker Basin.																																
Mina																																
Smith																																0.00
Thorne																																
Yerington																																0.00
Bridgeport, Cal																																0.00
Lundy, Cal																	T											.05				0.05
Shields Ranch, Cal																																0.00
Colorado Basin.																																
Caliente																																0.00
Indian Springs																																
Lake Valley																																
Las Vegas																																0.00
Logan																																0.00
Minor Basins.																																
Cherry Creek	T.																											.04				0.04
Columbia	.04																															0.04
Gerlach																													T.	T.		T.
Geyser																																
Jean																																
Jungo																																0.00
Lida	T.																															T.
McDermit																													.08			0.08
McGill																												T				T
Millett																																0.00
Oasis Ranch	T.																															T
Pahrump																																0.00
Quinn River Ranch																																
Rebel Creek	T.																											T.	T.			T
Rhyolite																																0.00
Sand Pass																																
Searchlight	.01																											T.	T			0.01
Sharp										.02																						0.02
Sulphur																																0.00
Tonopah***																																0.00
Vya																																0.00

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight.

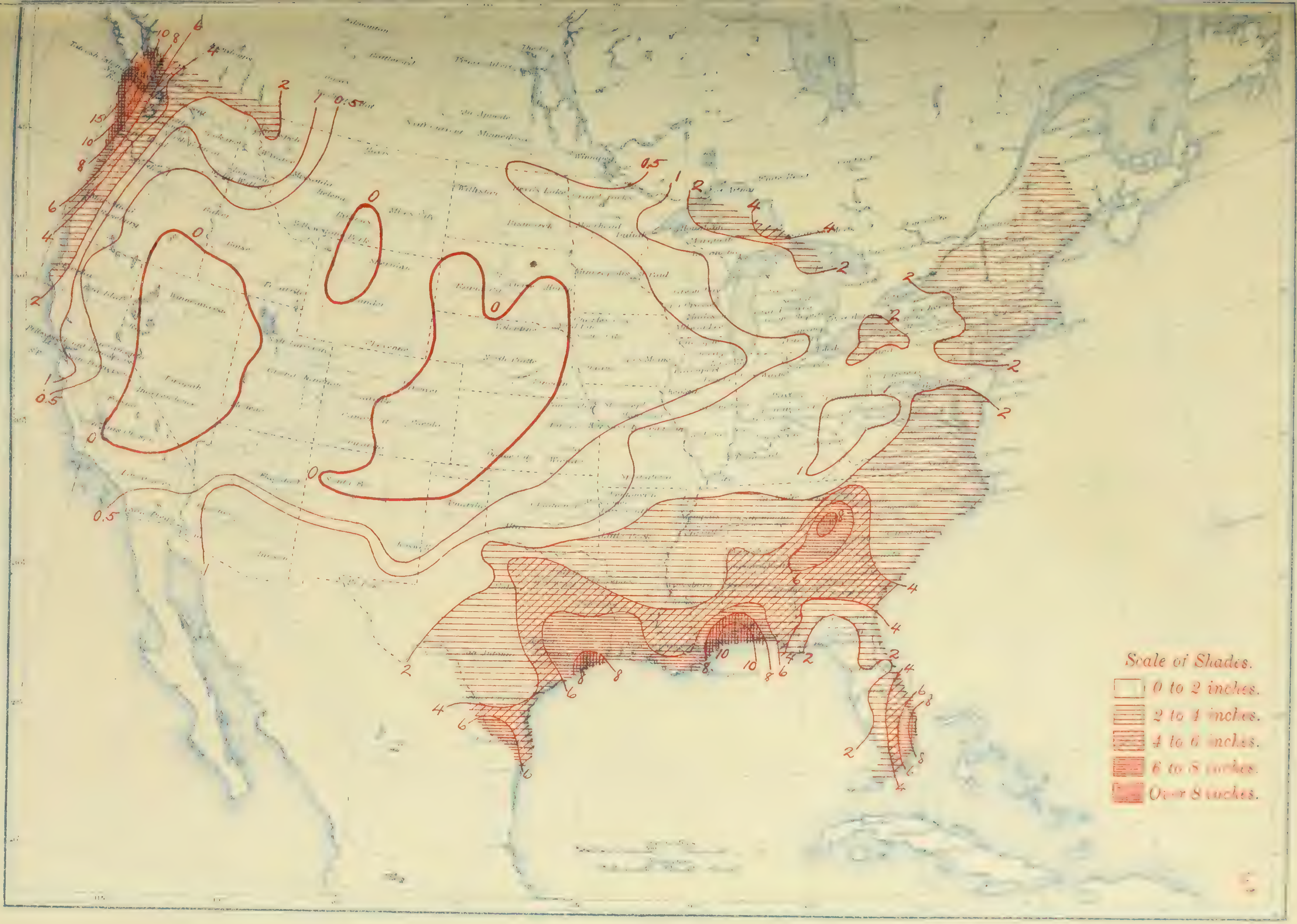
|| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

T. Trace, or less than 0.01 inch.

Daily temperatures for November, 1914.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Columbia Basin.																																	
Gold Creek	Maximum	56	52	58	64	64	54	54	54	56	59	57	56	54	34	41	51	46	53	55	59	60	54	56	58	60	59	57	44	32	25	....	52.7
	Minimum	31	23	21	21	24	27	16	17	18	18	20	22	29	42	15	17	14	18	10	10	10	8	15	18	18	18	16	26	7	−5	....	17.1
Owyhee	Maximum	68	....	62	68	66	54	52	56	50	69	70	61	58	33	46	52	46	55	62	65	57	58	54	65	64	60	60	48	30	34	....	56.
	Minimum	25	....	26	25	27	20	15	15	18	20	19	18	33	12	8	20	12	9	9	10	8	14	28	20	20	30	32	29	20	14	....	19.
San Jacinto	Maximum	65	66	68	63	62	66	65	63	58	56	59	61	56	52	48	39	46	49	52	49	52	54	56	60	58	59	55	49	37	34	....	55.
	Minimum	24	23	21	19	16	17	14	15	13	14	18	20	15	12	6	11	8	4	5	10	11	11	13	12	11	13	20	31	32	32	....	15.7
Humboldt Basin.																																	
Austin	Maximum	59	....	....	70	67	59	55	60	60	60	61	63	61	41	49	56	50	58	59	60	60	58	56	59	63	60	57	42	33	38	....	56.
	Minimum	30	....	....	38	39	29	26	32	28	30	31	35	28	14	29	29	22	23	30	26	32	30	30	36	34	33	28	16	13	22	....	28.
Battle Mountain §§	Maximum	75	70	72	75	78	69	67	70	72	68	68	65	68	61	50	61	61	60	61	62	62	62	62	68	66	62	59	53	50	40	....	63.
	Minimum	28	27	28	28	33	17	20	19	17	21	22	28	24	11	20	17	10	10	8	6	9	17	12	12	16	22	29	13	14	17	....	18.
Beowawe §§	Maximum	59	62	63	66	67	60	61	62	62	63	64	63	63	50	55	57	56	57	56	57	56	59	60	63	63	63	59	36	33	40	....	57.
	Minimum	34	24	28	25	22	33	19	21	16	17	15	19	19	25	7	14	16	7	5	4	4	5	12	13	14	14	16	18	8	13	....	16.
Carlin	Maximum	70	69	70	72	69	72	69	69	70	66	68	70	68	60	56	62	54	52	53	58	57	56	58	57	65	64	61	50	35	37	....	61.
	Minimum	20	21	21	15	18	21	11	10	10	10	12	14	16	11	10	11	1	−1	−3	−4	−2	−3	−2	4	9	6	11	1	−1	6	....	8.
Clover Valley	Maximum	67	62	68	72	75	62	64	67	66	68	69	60	61	58	47	61	62	58	60	65	63	60	68	66	65	68	60	51	46	37	....	61.
	Minimum	31	28	26	24	27	30	20	17	19	21	19	35	22	15	5	14	12	8	9	10	7	7	18	14	19	25	20	34	8	8	....	18.
Dry Farm	Maximum	60	55	61	69	67	61	58	58	58	58	61	62	60	56	51	55	51	50	51	55	54	57	56	55	61	60	65	51	54	40	....	57.
	Minimum	40	35	32	30	45	32	25	23	26	25	26	30	45	24	12	21	22	17	18	18	18	28	27	24	26	27	39	30	24	11	....	26.
Elko	Maximum	63	62	61	65	67	63	56	55	56	57	58	60	65	53	45	53	50	45	48	48	50	51	54	55	56	55	55	56	53	32	....	54.
	Minimum	32	24	22	20	20	29	18	15	14	13	13	19	25	21	7	16	16	6	4	3	1	1	11	13	14	12	11	32	5	2	....	14.
Eureka	Maximum	64	62	67	71	69	64	59	63	65	64	66	67	66	52	52	59	52	56	60	63	64	63	60	65	65	64	56	47	45	37	....	60.
	Minimum	42	31	30	31	11	37	27	25	27	26	27	31	33	23	15	26	28	17	21	21	22	22	25	27	30	27	32	30	12	10	....	26.
Golconda	Maximum	58	61	53	60	67	52	63	54	57	55	62	55	58	48	58	55	44	46	44	48	44	52	60	65	64	67	65	50	56	47	....	55.
	Minimum	34	33	31	33	39	39	28	26	28	26	24	24	20	18	18	16	14	18	16	14	11	11	12	14	14	18	18	15	16	16	....	21.
Halleck	Maximum	65	68	65	62	60	55	65	65	67	66	68	66	67	48	50	53	62	54	57	62	62	62	60	65	67	64	61	55	42	44	....	60.
	Minimum	30	28	26	40	37	35	16	14	12	11	12	11	14	17	4	10	11	3	0	3	4	5	8	10	12	10	9	25	3	4	....	14.
Imlay	Maximum	64	69	59	59	65	67	65	66	65	66	60	64	62	60	59	50	52	50	51	52	50	55	58	57	56	57	55	58	59	50	....	58.
	Minimum	29	28	27	25	27	28	25	20	17	17	15	18	19	15	8	7	6	5	4	3	1	7	10	9	11	10	8	5	8	9	....	14.
Paradise Valley	Maximum	62	59	63	67	69	60	57	61	63	62	59	57	61	47	45	56	56	60	56	57	56	53	54	62	61	61	49	46	40	36	....	56.
	Minimum	38	24	22	19	24	28	15	17	16	16	16	20	32	17	7	19	13	7	6	6	5	9	17	17	17	16	18	27	15	7	....	17.
Tecoma	Maximum	68	67	65	59	56	62	60	65	65	65	65	64	65	64	60	62	60	62	62	60	60	62	62	60	62	62	61	62	60	60	....	62.
	Minimum	12	10	15	7	5	15	5	5	4	4	7	9	10	10	−5	−3	−3	−5	−6	−8	−10	−11	−10	0	0	2	0	8	−8	10	....	2.
Wells	Maximum	65	70	61	65	69	68	61	63	59	60	59	52	53	49	48	39	40	39	43	44	39	42	45	49	46	52	47	40	51	34	....	51.
	Minimum	37	35	40	36	40	35	33	32	30	29	28	24	20	17	15	10	14	9	8	10	7	15	16	17	14	20	18	10	10	7	....	21.
Winnemucca	Maximum	63	63	64	69	71	56	58	62	63	63	62	62	63	44	50	58	53	56	56	57	57	59	59	61	62	60	50	46	38	38	....	57.
	Minimum	35	25	23	21	24	31	25	20	18	18	17	21	33	17	11	20	20	10	7	5	6	10	16	19	17	14	20	17	14	10	....	18.
Truckee Basin.																																	
Fernley	Maximum	64	66	65	69	76	64	62	60	65	63	67	65	65	53	49	58	55	53	53	53	54	52	60	65	61	60	60	52	45	40	....	59
	Minimum	41	32	24	26	20	39	26	21	20	19	18	21	32	26	14	20	21	13	12	10	12	18	21	21	20	20	25	33	14	13	....	21
Glenbrook	Maximum	55	62	58	59	60	58	57	60	54	56	57	57	48	47	54	54	47	48	49	50	50	52	52	53	60	58	54	48	44	42	....	53
	Minimum	32	30	30	31	29	30	30	30	29	29	27	28	32	26	25	24	30	23	24	23	23	26	29	30	34	36	38	36	26	30	....	29
Lewer's Ranch	Maximum	70	67	65	71	68	65	63	64	65	65	65	66	58	55	56	59	58	56	58	57	59	67	68	62	67	64	58	46	41	39	....	60
	Minimum	35	32	30	31	32	30	29	28	29	27	25	28	27	20	20	27	28	22	20	19	21	29	27	27	26	26	35	32	30	15	....	26
Reno	Maximum	61	63	68	76	69	63	61	66	65	66	64	66	59	50	55	62	54	57	58	56	60	61	63	64	67	62	59	48	40	42	....	60
	Minimum	40	32	31	31	31	37	30	28	25	26	26	28	39	26	20	26	25	22	19	16	17	24	26	26	25	25	29	31	24	17	....	26
Cathedral Park, Cal.	Maximum	64	67	65	66	65	68	65	65	58	55	61	63	68	67	68	61	55	57	59	58	61	63	65	64	64	57	55	51	51	46	....	61
	Minimum	34	31	33	34	37	35	33	31	31	30	32	30	36	36	37	31	26	26	24	25	32	31	32	29	27	25	25	28	26	15	....	30
Tahoe, Cal.	Maximum	57	56	54	60	61	58	57	55	54	55	57	54	48	46	56	46	50	49	50	53	60	52	50	51	50	50	46	32	29	34	....	51
	Minimum	34	27	26	26	28	31	30	27	25	25	25	27	27	21	21	22	22	20	22	23	23	23	24	28	27	26	29	15	10	20	....	24
Carson Basin.																																	
Fallon	Maximum	66	62	65	70	75	65	58	62	61	63	61	65	68	57	51	54	52	54	52	52	52	58	59	58	60	58	54	52	48	40	....	5
	Minimum	37	27	26	26	25	36	23	20	21	21	19	22	29	28	14	21	17	14	12	10	10	14	17	18	18	18	25	29	15	12	....	2
Gardnerville	Maximum	....	61	64	68	70	64	59	....	61	61	60	66	62	56	....	58	56	52	53	51	55	....	61	58	61	....	61	51	....	45	....	5
	Minimum	....	27	25	26	27	35	24	....	19	19	21	20	32	24	....	14	19	14	11	9	11	....	17	18	18	....	19	35	....	12	....	2
Lahontan §§	Maximum	72	65	66	70	76	61	61	62	62	64	64	67	67	....	....	....	....	55	53	53	55	56	60	59	62	60	51	50	52	44	....	6
	Minimum	37	35	35	39	42	34	35	34	34	30	31	33	31	26	29	29	24	26	23	25	25	30	32	33	32	33	36	27	20	21	....	3
Walker Basin.																																	
Mina	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Yerington	Maximum	64	59	63	68	72	61	59	59	60	60	60	64	64	54	48	55	51	51	52	53	53	58	59	57	59	57	62	51	45	39	....	5
	Minimum	37	26	20	20	21	33	24	19	17	17	13	19	29	26	11	18	20	10	9	7	5	4	11	15	13	14	24	32	21	10	....	1
Bridgeport, Cal.	Maximum	55	62	64	66	62	60	56	58	60	60	62	65	60	50	50	55	51	50	57	56	58	55	57	58	61	55	52	44	45	42	....	5
	Minimum	20	16	15	16	18	25	16	12	10	12	8	13	20	12	7	13	7	4	2	0	1	10	10	9	9	8	15	30	11	0	....	1
Colorado Basin.																																	
Caliente	Maximum	66	60	51	54	50	60	64	70	66	66	63	60	53	60	55	56	58	55	55	53	55	53	53	52	55	55	55	56	54	55	....	5
	Minimum	24	33	24	32	23	28	28	40	26	24	25	28	30	30	31	32	28	31	31	30	31	31	31	20	10	2	2	10	8	12	....	2
Las Vegas	Maximum	84	84	85	85	82	82	83	83	72	73	80	75	74	75	77	70	75	75	76	78	77	75	73	79	77	72	69	71	68	64	....	7
	Minimum	42	43	41	41	40	41	43	13	50	50	42	33	31	31	28	32	32	32	35	30	29	25	31	35	32	31	27	47	35	32	....	3
Logan	Maximum	83	88	86	86	85	84	82	84	74	72	81	78	72	77	69	70	75	74	79	80	75	72	71	77	77	72	66	74	68	64	....	7
	Minimum	41	52	44	45	39	44	57	56	49	42	40	31	31	35	38	28	30	42	29	38	35	29	27	32	35	29	28	39	32	28	....	3
Minor Basins.																																	
Cherry Creek	Maximum	61	58	60	70	68	62	64	55	61	56	61	63	60	55	46	55	58	46	42	51	53	56	53	54	60	53	55	48	40	32	....	
	Minimum	33	29	27	28	35	35	26	20	22	20	23	26	37	30	9	11	20	10	15	15	16	17	21	23	23	24	25	32	9	10	....	
Columbia	Maximum	66	61	66	72	69	66	61	65	64	62	63	67	57	50	52	52	54	54	58	59	62	59	58	65	63	62	54	56	46	40	....	
	Minimum	38	34	33	34	38	39	34	28	29	29	31	27	33	29	19	25	27	19	22	22	24	25	28	28	31	26	32	34	17	13	....	
Gerlach	Maximum	64	66	68	65	71	65	57	62	60	65	60	59	60	57	46	55	52	50	49	47	49	48	58	55	56	55	54	49	42	37	....	
	Minimum	42	33	34	22	28	40	27	24	17	17	16	22	35	38	12	18	22	14	8	4	2	12	11	18	14	13	21	33	30	16	....	
Lida	Maximum	60	62	65	70	60	58	62	62	65	63	65	65	58	46	40	48	46	40	44	45	44	43	50	47	44	48	46	43	36	35	....	
	Minimum	34	42	36	32	34	35	33	41	35	34	36	28	29	32	20	24	34	28	26	29	29	27	32	34	27	25	29	23	17	12	....	
McDermit	Maximum	62	58	64	65	67	59	58	60	64	65	61	57	60	44	45	55	54	58	55	58	57	56	55	64	61	61	52	47	34	35	....	
	Minimum	31	20	20	18	21	23	17	17	19	21	20	20	30	10	13	16	13	15	20	20	20	26	20	29	31	32	31	30	21	15	....	
McGill	Maximum	69	62	65	72	69	62	58	62	65	60	66	67	61	52	53	52	50	49	58	58	61	60	57	58	65	61	61	51	45	40	....	
	Minimum	35	32	28	31	44	42	32	23	26	23	28	27	42	33	11	23	24	16	18	21	20	17	24	24	27	24	24	36	11	10	....	
Millett	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
	Minimum	34	22	18	17	22	27	25	15	10	10	12	11	25	26	5	9	8	7	−3	−1	−3	3	5	12	10	7	18	25	−4	0	....	
Oasis Ranch	Maximum	68	69	65	65	70	65	63	64	61	64	60	65	66	60	53	54	51	53	55	55	55	59	58	61	62	61	58	55	50	45	....	
	Minimum	32	31	32	34	26	33	32	23	28	29	25	17	27	26	17	21	16	13	12	11	12	17	17	20	19	17	17	29	7	7	....	
Pahrump	Maximum	82	80	88	84	83	85	83	81	81	80	74	76	73	70	67	69	65	72	73	76	76	73	70	73	72	70	71	72	72	68	....	
	Minimum	42	40	38	37	37	40	39	38	40	38	31	29	32	35	38	22	24	27	19	24	30	33	33	26	27	33	50	55	27	21	....	
Quinn River Ranch	Maximum	65	62	70	72	70	67	67	63	70	....	....	....	....	43	....	55	58	59	58	58	62	59	63	....	69	67	50	47	44	38	....	
	Minimum	35	25	15	12	15	37	14	13	9	....	....	....	....	9	2	10	8	2	0	−2	−6	0	−1	....	9	9	14	39	24	7	....	
Rebel Creek	Maximum	65	68	70	68	70	64	70	69	64	65	65	66	60	62	55	64	60	58	59	59	58	60	60	65	60	65	62	52	44	38	....	
	Minimum	34	35	32	30	32	30	25	26	25	26	25	24	25	20	12	21	20	18	19	17	16	16	25	26	28	27	30	32	26	12	....	
Rhyolite	Maximum	75	72	77	80	85	85	84	78	78	75	77	76	74	78	74	69	71	68	73	74	82	74	73	76	71	73	70	68	60	56	....	
	Minimum	49	45	49	47	48	45	43	46	47	44	44	41	37	36	37	35	35	44	41	41	38	39	43	46	41	37	32	41	35	44	....	
Sand Pass	Maximum	63	64	60	66	73	53	60	61	50	62	65	61	64	52	46	53	56	55	53	51	51	49	59	59	59	59	61	50	42	39	....	
	Minimum	47	30	28	28	30	40	30	27	23	25	21	26	42	27	15	20	26	17	13	12	10	18	22	22	20	20	27	33	27	15	....	
Searchlight	Maximum	74	74	76	76	77	73	73	72	69	66	70	75	74	71	64	68	66	61	64	66	66	70	66	66	69	69	63	63	63	53	....	
	Minimum	50	54	60	63	54	55	56	56	59	52	55	47	48	48	42	58	49	44	49	53	47	47	48	48	55	46	44	46	40	42	....	
Sharp	Maximum	64	65	71	72	67	67	65	64	64	67	68	67	65	52	52	58	54	58	62	63	62	62	64	63	63	64	66	53	48	42	....	
	Minimum	26	25	25	27	26	32	28	21	21	20	23	24	26	26	9	16	21	9	13	16	13	13	12	20	21	19	21	23	8	5	....	
Tonopah	Maximum	62	57	63	68	65	61	57	60	60	57	58	64	52	43	45	53	49	48	53	55	58	54	53	59	58	58	51	47	40	35	....	
	Minimum	41	37	43	51	48	45	39	29	43	40	40	40	42	29	24	38	38	34	37	42	40	39	38	42	41	42	38	33	24	20	....	

a, b, c, etc., indicates respectively 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charge the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.

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U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

NEVADA SECTION

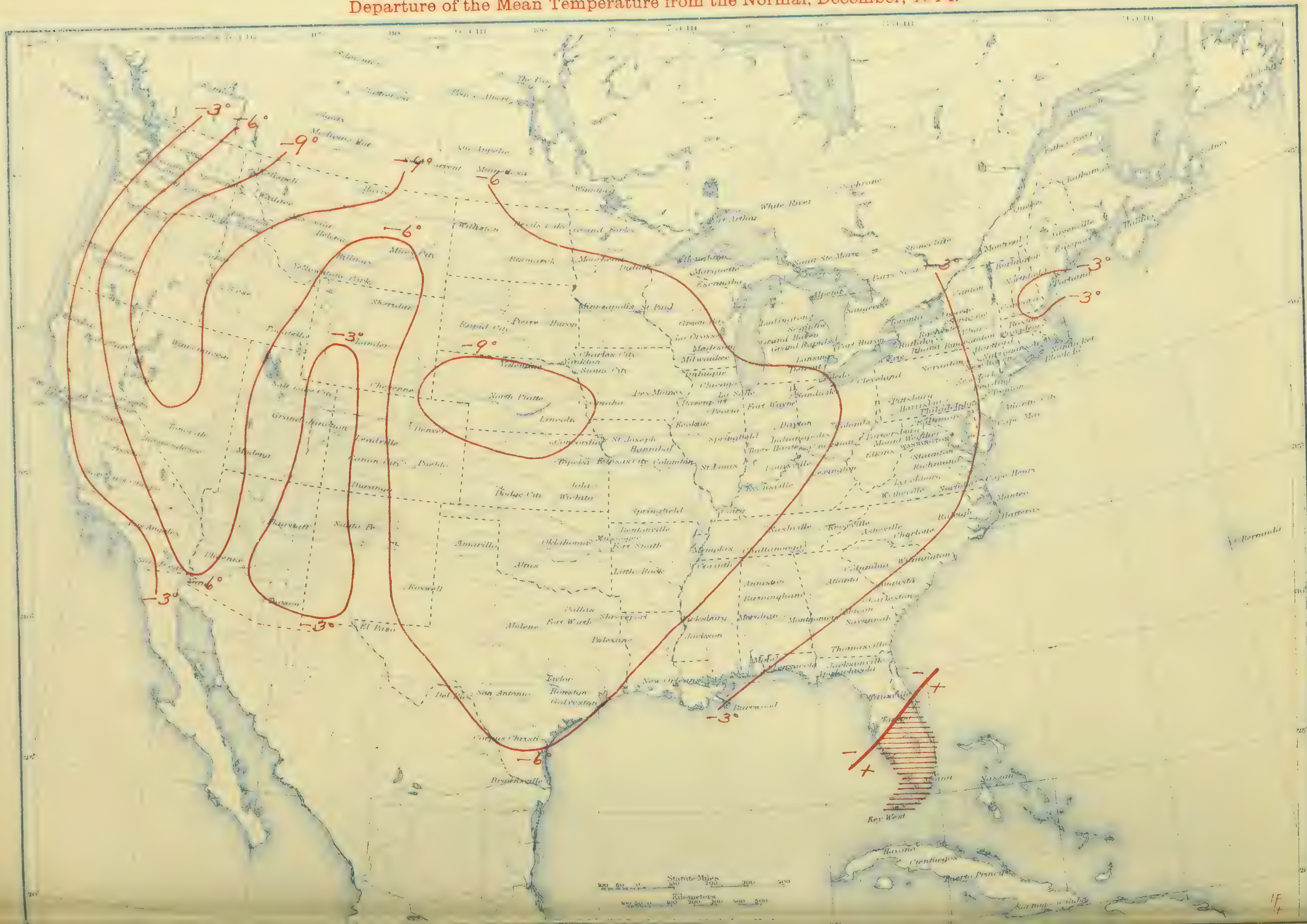
DECEMBER, 1914

BY

HENRY F. ALCIATORE
SECTION DIRECTOR

RENO, NEV.
WEATHER BUREAU OFFICE
JANUARY 21, 1915.

Departure of the Mean Temperature from the Normal, December, 1914.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALCIATORE, Section Director.

Vol. XXIX. Reno, Nevada, December, 1914. No. 12.

GENERAL SUMMARY.

Considered as a whole, the month was unusually cold. There were several abnormally cold days in each decade. On the coldest of these, the 21st, the minimum temperatures in the northern district ranged from 1 to 27 degrees below zero. At Tecoma, Elko County, the thermometer dropped below zero every night but three. In some of the northern and western counties it was the coldest December of record. The mean temperature at the coldest place (Wells) was only 13 degrees above zero. On the other hand, in the extreme southeastern portion of the State the weather was mild, the mean temperature ranging from one-tenth degree to more than two degrees above the normal. At Logan, Clark County, the average temperature was 43 degrees, which is 30 degrees warmer than that of Wells. At Searchlight, Clark County, the first killing frost of the season did not occur until December 14th.

Unsettled and stormy weather prevailed over large areas during the greater part of the first two decades, but the last ten days were generally fine. The precipitation was somewhat above normal in Lincoln and Clark counties, but over the rest of the State it was deficient, the monthly falls ranging from .02 inch at Imlay to 2.28 inches at Marlette Lake.

The average depth of unmelted snow was 29.3 inches in the Truckee basin; 16.6 inches in the Carson basin; 8.0 inches in the Walker basin; and 5.4 inches in the Humboldt basin. As compared with the depth for the same month in 1913, there was a deficiency of 3.2 inches in the Truckee basin; in the Walker basin the deficiency was 7.7 inches; and in the Humboldt basin it was 11.3 inches. It is probable that the snowfall in the Carson basin was also less than in December, 1913.

For the season, from September 1 to December 31, 1914, the total precipitation (rain, sleet and snow) was: Truckee basin, 1.32 inches; Carson basin, 1.01 inches; Walker basin, 0.20 inch; Humboldt basin, 2.01 inches. As compared with the amounts recorded in December, 1913, there was a deficiency in all districts, the minus departures by districts being: Truckee, 9.37 inches; Carson, 5.49 inches; Walker, 3.51 inches; and Humboldt, 1.86 inches.

Regarding the probable water supply for irrigation during the growing season of 1915, the following extracts from special reports will be of interest:

"In the Truckee watershed the month was very dry. Lake Tahoe dropped 0.40 foot, due to evaporation and draft. On December 31st the lake level was 6227.10 feet, which is unusually high for this time of year. We have sufficient water stored in the lake for two dry years in succession."—L. O. Murphy, Truckee River General Electric Co.

Bridgeport, Cal.—"The first real snowstorm this winter occurred on the 17th; the depth of snow was 5 inches. On the 18th the temperature dropped to 14 below zero. The snow was 2 feet deep at Twin Lakes, and 3 feet deep at the 9,000-foot level."—A. F. Scott.

"The snow in the Mt. Rose district when I visited that region at the close of December, was about 10 inches deep at the 6,000-foot level; 20 inches at the 8,000-foot level; and 30 inches at the 9,000-foot level. The average south of Mt. Rose and north of Lake Tahoe was about 24 inches."—Prof. J. E. Church, Jr., University of Nevada.

PRESSURE.

The mean barometric pressure was 0.[illegible] inch below the normal.

TEMPERATURE.

The monthly mean temperature for the State, as shown by the records of 49 stations, was 24.5 degrees. The mean for the 31 stations having ten or more years' record was [illegible] degrees below the normal. The highest temperature recorded was 69 degrees, at Logan, on the 4th; the lowest was 27 degrees below zero at Carlin, on the 21st.

HUMIDITY.

The mean relative humidity at the three regular Weather Bureau stations, based on the 5 a. m. and 5 p. m. observations, was 73 per cent.

PRECIPITATION.

The average precipitation for 51 stations in Nevada was 0.54 inch, and for the 30 stations having ten or more years' record it was 0.50 inch below the normal. The average amount at 2 stations in the Columbia Basin was 0.18 inch; at 17 stations in the Humboldt Basin, 0.36 inch; at 11 stations in the Truckee Basin, 1.59 inch; at 5 stations in the Carson Basin, 0.51 inch; at 6 stations in the Walker Basin, 0.39 inch; at 4 stations in the Colorado Basin, 0.64 inch; at 15 stations in the minor basins, 0.48 inch. The greatest monthly fall was 2.28 inches at Marlette Lake and the least, 0.02 inch, at Imlay.

WIND.

The average velocity at the three regular Weather Bureau stations for the month was 5.2 miles, which is about 1 mile below the normal. The prevailing direction was southwest.

SUNSHINE AND CLOUDINESS.

The percentage of sunshine received was 58 at Winnemucca, 43 at Reno and 57 at Tonopah. There was an average of 14 clear, 7 partly cloudy and 10 cloudy days. The average number of days with precipitation was 3, which is below the normal.

COMPARATIVE DATA FOR DECEMBER.

Year.	Temperature.			Average precipitation.	Number of days				Prevailing wind.
	Mean.	Highest.	Lowest.		With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	34.4	70	20	4.09	13	4	6	21	s
1890	35.1	73	0	1.00	5	11	9	11	sw
1891	26.3	66	−33	2.75	8	8	9	14	n
1892	30.4	63	−23	1.23	5	8	6	17	s
1893	34.3	72	−15	0.69	4	13	7	11	s
1894	27.6	64	−32	2.50	9	7	8	16	w
1895	28.0	78	−34	0.42	4	12	10	9	n
1896	34.6	73	−10	0.40	2	14	10	7	s
1897	29.1	69	−14	1.06	4	13	7	11	w
1898	25.3	70	−15	0.48	3	16	7	8	n
1899	28.4	68	−25	1.15	4	14	7	10	ne
1900	33.1	71	−12	0.19	1	14	6	11	sw
1901	32.5	78	19	0.69	3	17	7	7	sw
1902	33.7	78	2	0.35	2	13	7	11	sw
1903	30.4	71	−9	0.14	1	20	6	5	n
1904	33.3	76	−23	0.51	2	14	6	11	n
1905	22.5	68	−21	0.60	3	15	7	9	sw
1906	33.5	74	−21	1.91	6	8	10	13	s
1907	35.6	78	11	1.47	5	10	10	11	sw
1908	27.6	67	−20	0.19	1	15	8	8	w
1909	23.3	70	−25	1.54	6	10	7	14	n
1910	33.1	91	−8	1.15	5	13	8	10	w
1911	26.4	69	−31	0.46	3	15	9	7	sw
1912	29.8	68	16	0.23	2	17	7	7	w
1913	28.7	69	−22	1.53	5	12	9	10	w
1914	24.5	69	−27	0.54	4	14	7	10	sw
Entire period	30.1	91	−34	1.05	4	13	8	10	sw

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[1] Miscellaneous phenomena, late reports and corrections on page 96.

Climatological data for December, 1914.

			Temperature, in degrees Fahr.								Precipitation, in inches.					Number of days					
Stations.	Counties.	Elevation, feet.	Length of record, years.	Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted.)	With precipitation (0.01 inch or more.)	Clear.	Partly cloudy.	Cloudy.	Prevailing direction of the wind.	Observers.
Columbia Basin.																					
Gold Creek	Elko	6,600	1	15.6	...	48	31	-17	13	42	1	...	...	...	...	...	13	8	10	n	Forest Supervisor.
Jack Creek	do	6,300	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	C. E. Butler.
Owyhee	do	5,400	3	16.8	...	47	3	-24	14	48	3	0.65	...	0.60	6.5	2	24	0	7	...	Indian Service.
San Jacinto	do	5,200	9	17.6	-5.3	46	5	-17	21	51	9	0.31	-0.30	0.20	3.1	3	19	3	9	sw	J. S. Parmley.
Humboldt Basin.																					
Arthur	Elko	6,500	...	...	...	...	...	...	...	...	4	1.00	...	0.40	10.0	3	19	5	7	...	Isaac Woodhouse.
Austin	Lander	6,594	25	24.6	-6.0	49	31	-3	20	31	25	0.21	-0.98	0.08	3.5	3	16	14	1	...	Forest Service.
Battle Mountain	do	4,513	43	24.4	-6.5	57	2	-14	14	52	45	...	...	...	...	...	15	0	16	...	Southern Pacific Co.
Beowawe	Eureka	4,695	43	20.6	-8.9	50	3	-14	21	55	45	0.27	-0.56	0.20	2.7	3	...	...	...	se	Do.
Carlin	Elko	4,896	43	19.4	6.8	50	†3	-27	21	59	43	0.06	-1.11	0.06	1.0	1	17	6	8	...	Western Pacific Co.
Clover Valley	do	6,000	13	20.4	-6.7	47	4	-14	21	39	21	...	...	...	0	...	8	16	7	...	I. F. W seman.
Dry Farm	do	5,600	2	21.9	...	45	25	0	22	40	5	0.19	...	0.12	5.0	2	14	15	2	sw	Walfrid Sohlman.
Elko	do	5,063	43	16.8	-10.3	47	4	-22	21	42	44	0.64	-0.45	0.57	4.5	2	9	10	12	w	Western Pacific Co.
Eureka	Eureka	6,837	16	25.0	-6.0	53	31	-7	21	39	18	0.15	-0.82	0.06	6.5	4	10	7	14	s	Clay Simms.
Golconda	Humboldt	4,392	35	19.9	-11.0	48	1	-14	15	35	37	0.55	-0.28	0.15	5.5	5	12	0	19	...	Southern Pacific Co.
Halleck	Elko	5,229	21	15.2	-8.8	51	†2	-26	21	57	45	0.42	-0.68	0.20	4.2	3	13	9	9	...	Do.
Hylton	do	7,081	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	1	19.8	-12.5	49	3	-12	21	39	1	0.02	-1.09	0.01	0.5	2	12	2	17	...	Southern Pacific Co.
Lovelocks	do	3,977	20	...	...	...	...	...	...	...	18	...	...	...	...	...	...	...	...	...	High School.
Metropolis	Elko	5,761	1	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...	...	...	O. M. Lloyd.
North Fork	do	6,500	...	...	...	...	...	...	...	...	5	0.41	...	0.30	4.4	3	10	14	7	w	Chas. Pratt.
Paradise Valley	Humboldt	4,500	1	19.3	...	45	1	-14	21	42	5	0.57	...	0.12	11.6	8	8	9	14	nw	R. M. Taylor.
Potts	Nye	6,002	21	20.2	-4.1	48	†1	-11	21	50	23	0.05	-0.41	0.05	1.0	1	15	1	15	s	Miss Maud Potts.
Shafter §	Elko	5,583	1	12.6	-23.0	43	4	-23	21	57	1	0.20	-1.08	0.10	4.0	3	15	5	11	w	Geo. Kernan.
Tecoma	do	4,812	36	23.2	-2.0	61	3	-22	17	78	37	0.25	-0.30	0.20	2.5	2	14	11	6	...	Southern Pacific Co.
Wells	do	5,631	42	12.8	-11.4	54	4	-16	13	38	45	0.50	-0.64	0.20	5.0	4	12	8	11	...	Do.
Winnemucca	Humboldt	4,344	35	18.9	-11.8	48	1	-10	14	39	45	0.57	-0.42	0.19	7.8	8	9	6	16	ne	U. S. Weather Bureau.
Truckee Basin.																					
Fernley	Lyon	4,150	41	25.5	-6.4	52	1	-5	†22	37	45	0.22	-0.30	0.15	0.1	3	13	5	13	...	Mrs. A. G. Steele.
Glenbrook	Douglas	6,240	5	26.4	...	46	31	5	21	31	5	0.80	...	0.40	24.0	4	15	6	10	sw	C. C. Henningsen.
Lewers Ranch	Washoe	5,500	26	25.6	-8.4	56	26	1	†15	46	27	2.10	-1.81	0.60	21.0	7	6	8	17	...	Ross Lewers.
Marlette Lake	do	7,900	...	...	...	...	...	...	...	...	1	2.28	...	1.25	23.0	4	17	0	14	e	V. & G. H. Water Co.
Reno	do	4,532	27	26.8	-6.9	50	1	4	21	30	27	0.70	-0.97	0.21	9.2	11	8	9	14	w	U. S. Weather Bureau.
Bijou, Cal.	Eldorado	6,230	...	...	...	...	...	...	...	...	5	1.13	...	0.23	15.4	8	2	14	15	sw	Chas. Young.
Cathedral Park, Cal.	do	6,400	2	24.3	...	54	11	7	†29	34	2	2.80	...	0.70	28.0	8	11	0	20	s	Carl Fluegge.
Hobart Mills, Cal.	Nevada	5,900	...	...	...	...	...	...	...	...	5	1.72	...	0.36	39.5	8	10	5	16	s	S. E. Patterson.
McKinney, Cal.	Placer	6,225	5	...	...	...	...	...	...	...	5	1.75	...	0.46	39.0	11	13	7	11	sw	Fred Jensen.
Tahoe, Cal.	do	6,240	6	24.6	...	45	†25	-2	†13	34	6	3.36	...	1.40	56.0	8	17	3	11	e	Robert Watson.
Tallac, Cal.	Eldorado	6,230	...	...	...	...	...	...	...	...	5	0.68	...	0.12	59.0	8	4	1	26	sw	W. D. Butt.
Carson Basin.																					
Fallon	Churchill	3,965	20	26.1	-5.9	53	2	-2	24	38	20	0.27	-0.31	0.16	1.5	5	6	12	13	sw	U.S. Experiment Statio
Gardnerville	Douglas	4,830	23	24.6^{b}	-7.6	55^{b}	29	-11^{b}	22	43^{b}	24	0.61	-1.44	0.41	5.5	5	...	...	...	nw	Forest Service.
Lahontan	Churchill	4,200	2	28.6	...	53	2	5	†20	27	4	0.42	...	0.20	...	6	5	7	19	e	U.S. Reclamat'n Servi
Markleeville, Cal.	Alpine	5,525	...	...	...	...	...	...	...	...	5	1.22	...	0.77	18.2	4	12	10	9	s	Mrs. Mary Thornburg.
Woodfords, Cal.	do	5,634	...	...	...	...	...	...	...	...	5	0.16	...	0.10	15.0	2	8	23	0	sw	Grant P. Merrill.
Walker Basin.																					
Mina§.	Mineral	4,350	7	29.8	-5.0	65	3	2	15	50	18	0.20	-0.22	0.20	2.0	1	21	4	6	se	Southern Pacific Co.
Smith	Lyon	4,800	...	...	...	...	...	...	...	...	6	0.60	...	0.35	6.0	3	10	13	8	ne	C. M. Carter.
Thorne §.	Mineral	4,200	1	31.6	-4.4	64	1	0	25	35	1	0.20	-0.20	0.20	2.0	1	...	...	...	...	Southern Pacific Co.
Yerington §	Lyon	4,375	5	24.2	-7.5	51	†2	-6	24	36	5	0.29	-0.19	0.22	3.6	2	12	6	13	nw	High School.
Bridgeport, Cal.	Mono	6,500	1	17.6	...	42	2	-21	24	46	3	0.60	...	0.38	8.0	4	8	12	11	n	A. F. Scott.
Lundy, Cal.	do	8,000	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...	...	...	Mrs. Grace A. Kirkwo
Shields Ranch, Cal.	do	5,300	...	...	...	...	...	...	...	...	5	0.47	...	0.40	10.0	3	8	15	8	...	Frank W. Chichester.
Colorado Basin.																					
Caliente §	Lincoln	4,407	4	33.8	+2.5	58	10	0	†14	50	4	0.24	-1.40	0.10	2.5	4	21	0	10	ne	Salt Lake Route.
Indian Springs §	Clark	3,136	1	36.1	...	66	1	12	†13	52	1	0.55	+0.20	0.47	4.0	2	22	4	5	w	Ira McFarland.
Lake Valley	Lincoln	6,200	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	Valley View Farm'g C
Las Vegas	Clark	2,033	12	41.8	+0.8	67	4	19	15	38	12	0.59	+0.24	0.38	2.0	2	19	5	7	s	C. P. Squires.
Logan §	do	1,355	7	43.2	+0.1	69	4	22	†2	39	15	1.17	-0.71	0.61	0	4	12	8	11	...	Experiment Farm.
Minor Basins.																					
Cherry Creek	White Pine	6,450	6	21.0	...	52	31	-11	21	43	6	0.31	...	0.10	4.6	5	16	11	4	w	J. H. Leishman.
Columbia	Esmeralda	5,700	7	25.2	...	48	30	-3	20	34	9	0.37	...	0.22	5.0	4	6	11	14	se	A. Booth.
Gerlach	Washoe	3,931	2	20.2	...	45	†1	0	†19	28	2	0.11	...	0.05	1.4	3	13	4	14	ne	Western Pacific Co.
Geyser§	Lincoln	6,055	10	...	...	...	...	...	...	...	10	...	...	...	...	...	...	...	...	...	Mrs. J. F. Wambolt.
Jean	Clark	2,864	6	...	...	...	...	...	...	...	7	...	...	...	...	...	...	...	...	...	Salt Lake Route.
Jungo	Humboldt	4,165	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	Western Pacific Co.
Lida §.	Esmeralda	6,037	2	21.6	-9.3	40	31	1	20	23	2	0.63	-0.77	0.39	7.0	3	22	1	8	nw	L. F. Detwiler.
McDermit	Humboldt	4,700	24	20.6	-11.2	46	2	-6	21	36	24	0.77	-0.55	0.50	8.5	2	19	8	4	sw	U. S. Indian Service.
McGill §	White Pine	6,338	4	22.6	-4.8	54	31	-6	21	45	4	0.19	-0.92	0.07	0.8	5	21	7	3	s	R. E. Middagh.
Millett	Nye	5,040	6	21.2^{b}	...	53^{o}	†16	-15	21	48^{o}	7	0.06	...	0.06	3.0	1	16	6	9	...	Fred J. Jones.
Oasis Ranch §	Esmeralda	5,106	2	23.6	-3.7	45	1	-2	14	34	2	0.11	-0.42	0.05	4.0	3	19	9	3	s	Arthur L. Stewart.
Pahrump	Nye	2,668	1	37.4	...	67	1	14	15	43	1	1.01	...	0.51	4.5	3	17	10	4	...	F. A. Buol.
Quinn River Ranch ††	Humboldt	4,850	12	16.0^{g}	-12.9	50	1	-18^{j}	21	45^{j}	13	0.35	-0.50	0.25	3.5	3	...	...	...	w	F. M. Payne.
Rebel Creek	do	4,300	2	21.4	...	55	2	-2	†14	34	3	1.02	...	0.60	11.5	6	12	18	11	...	Mrs. E. J. Hyatt.
Rhyolite	Nye	3,680	1	37.5	...	60	†6	18	†13	38	1	...	...	...	...	...	...	...	...	...	Secretary School Boa
Sand Pass	Washoe	4,198	1	23.8	...	50	1	-1	21	31	1	0.04	...	0.03	0.4	2	8	5	18	ne	R. R. Mott.
Searchlight	Clark	3,445	1	39.4	...	54	†2	25	14	21	1	0.51	...	0.34	1.2	4	13	11	7	n	C. L. Aug. Mahn.
Sharp	Nye	6,200	1	21.6	...	48	30	-10	21	45	1	1.38	...	0.45	13.0	5	17	7	7	w	F. A. Sears.
Sulphur	Humboldt	4,044	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	Western Pacific Co.
Tonopah	Nye	6,090	9	24.8	...	42	25	6	20	16	9	0.52	...	0.52	5.5	2	14	6	11	se	U. S. Weather Bureau
Vya	Washoe	...	1	...	...	...	...	...	...	...	1	0.21	...	0.15	3.3	2	20	6	5	...	W. N. Lord.
For the State	...	...	...	24.5	-7.1	...	...	...	...	...	...	0.54	-0.50	...	5.6	4	14	7	10	sw	

The departures from normal temperature and precipitation are computed enly for such stations as have ten or more years of record, but all complete reports are used determining section or divisinn means. § Normals based on data from nearby stations with long records.

Reference letters ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing, for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for December, 1914.

Stations.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	[illegible]
Columbia Basin.																																
Gold Creek																																
Jack Creek																																
Owyhee				.60	.05																											0.65
San Jacinto					.05							.20																.06				0.31
Humboldt Basin.																																
Arthur				.40	.20												.40															1.00
Austin			T		.08					.08						.05																0.21
Battle Mountain ‖																																
Beowawe †				.02		.05					T		.20				T															0.27
Carlin					T		T.									.06		T														0.06
Clover Valley																																
Dry Farm				.07		T											.12															0.19
Elko				T		.07					T						.57															0.64
Eureka				.02	T					.05		.02					.06															0.15
Golconda			.15		.05					.15			.10				.10															0.55
Halleck						T				.02	.20		T.				.20															0.42
Hylton																																
Imlay				.01	.01																											0.02
Lovelocks																																
Metropolis																																
North Fork				.30				.08				.03																				0.41
Paradise Valley			.09	.10	.12					.10	.05		.05				.04		.02													0.57
Potts				T			T			T							.05															0.05
Rose Creek																																
Shafter			T.	T	T					.04		T	.06				.10															0.20
Tecoma				T.	T.								.05				.20															0.25
Wells				.15	.10					.05							.20															0.50
Winnemucca***			.05	.09	.18		T			.14	.05	T.	.01				.04		.01	T												0.57
Truckee Basin.																																
Fernley			T.	T.	.02	T.											.15		.05													0.22
Glenbrook			.40	.10	.25		T.										.05															0.80
Lewers Ranch	.30				.30		.30			*	.40	T.	T.				.60	.20		T.	T.											2.10
Marlette Lake ‖				.75	1.25	.08				.20																						2.28
Reno***		T.	.20	T.	.03	.02	.02		.06	.15	T.		T		T.	.03	.12	.04	.01	.02												0.70
Lijon, Cal.		.10	.21	.07	.18	.09				.11							.23	.14		T.												1.13
Cathedral Park, Cal.	.30		.70	.20	.30	.30			.20										.20	.60												2.80
Hobart Mills, Cal.		T.	.08	.11	.36	.06	.35			.33	.10	T.					.33	T.	T.	T	T.											1.72
McKinney, Cal.		.04	.46	.19	.46	.04	.17			.15	.08	.02					.08	.06														1.75
Tahoe, Cal.			1.40	.38	.41		.44			.30	.13						.20	.10														3.36
Tallac, Cal.		.09	.08	.10	.08	.11	.12											.04	.06													0.68
Carson Basin.																																
Fallon				.04	T.	.01							T				.16	.01														0.27
Gardnerville		T.			T.					T.						T	.41	.08			.02											0.61
Lahontan †			.20		.02	T.	T.			T.	T.		.04		T.		.10	.04		.02												0.42
Markleeville, Cal.		T.	.10	T.	.14					.21							.77															1.22
Woodfords, Cal.		T.	T.		T.	T.			.06								.10			T.			T									0.16
Walker Basin.																																
Mina																	.20															0.20
Smith					.15											.35				.10												0.60
Thorne																	.20															0.20
Yerington				T.	.07								T.				.22			T.												0.29
Bridgeport, Cal.			.02							.10					.10		.38															0.60
Luady, Cal.																																
Shields Ranch, Cal.				.05	T.												.40			.02												0.47
Colorado Basin.																																
aliente					.02	.02				.10							.10															0.24
Indian Springs										T.		.47						.08														0.55
Lake Valley																																
Las Vegas										T.	T.	.21					.38															0.59
Logan												.28					.61		.05								.23					1.17
Minor Basins.																																
herry Creek				.03	.04					.06	.08						.10															0.31
olumbia	T		.06	.07						.02			T.				.22															0.37
erlach				T.	.05		.05			.01	T.																					0.11
eyser																																
ean																																
ungo																																
ida				.07						.17							.39															0.63
cDermit			.50		.27					T.	T.						T.		T.	T.												0.77
cGill				T.	T.	T.				.07		T.	T.		.04	.03	.01	.04														0.19
illett																	.06															0.06
asis Ranch	T.		T.	.05						.02	T.						.04															0.11
ahrump	T.									*	.50						.51															1.01
uinn River Ranch										.25							.05		.05													0.35
ebel Creek			.60	.05	.20	T.				.15	T.	T.	T.		T.	T.	.01	.01														1.02
hyolite																																
and Pass			T.			T.	.01			.03	T.	T.					T.															0.04
earchlight	.10											.05					.34	.02														0.51
harp			.35	.40	.06		T.			.12	T.						.45															1.38
ulphur																																
onopah***																.50	.02															0.52
ya		T.	T.	.06	T.	T.				.15							T.															0.21

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight.

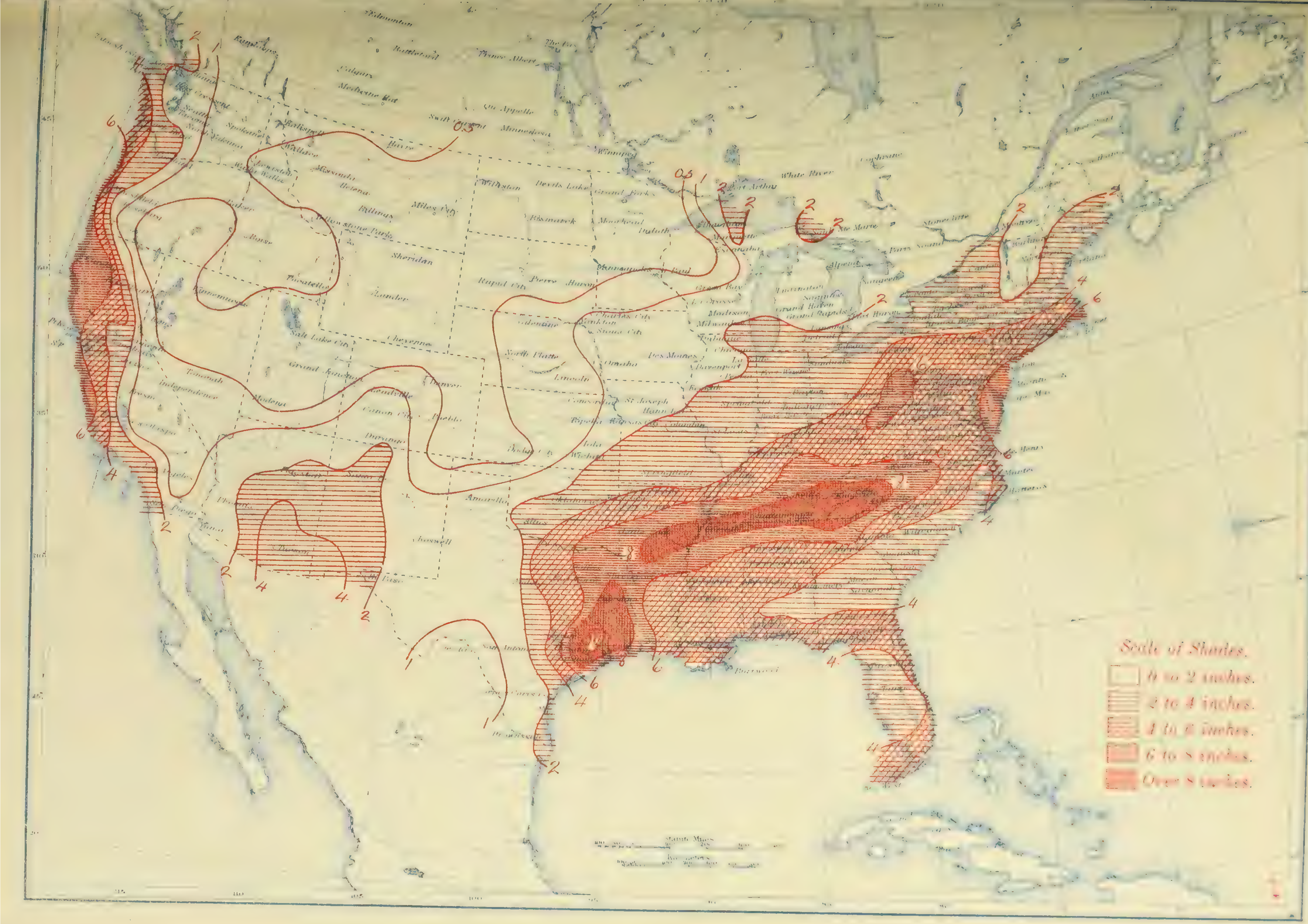
† Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

T. Trace, or less than 0.01 inch.

Daily temperatures for December, 1914.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Columbia Basin.																																	
Gold Creek	Maximum	35	35	35	36	34	34	32	32	31	29	29	23	25	27	26	26	28	26	19	14	22	33	35	38	28	24	28	27	30	39	48	29.
	Minimum	10	12	23	22	13	6	10	-7	0	10	5	-11	-17	-12	-10	5	9	6	-12	-10	-11	-2	4	-4	-2	12	4	1	-4	4	14	1.
Owyhee	Maximum	45	45	47	36	35	29	21	20	30	30	32	25	26	24	12	25	28	28	28	17	14	18	30	23	43	45	32	32	36	40	36	30.
	Minimum	28	27	23	28	14	3	8	12	5	22	12	15	13	-24	-18	-5	-4	-3	-3	-8	-22	-11	-4	-12	-1	0	6	16	10	8	9	3.
San Jacinto	Maximum	40	42	41	43	40	39	41	43	39	40	41	38	23	21	30	29	28	32	36	30	26	29	33	39	38	43	35	34	39	39	41	36.
	Minimum	3	6	8	9	15	5	6	0	2	1	-2	12	4	-16	-16	-11	-11	-8	4	-8	-17	-14	-2	-11	-6	6	-5	11	-12	7	8	-1.
Humboldt Basin.																																	
Austin	Maximum	40	45	42	42	40	33	32	36	34	29	28	24	27	28	26	32	37	31	35	22	24	35	35	38	45	45	38	42	45	47	49	35.
	Minimum	20	28	22	20	13	16	10	20	21	10	2	9	7	1	7	15	13	3	5	-3	0	5	9	20	28	14	13	17	19	29	26	13.
Battle Mountain §§	Maximum	54	57	51	50	55	51	42	44	43	45	43	32	41	38	31	28	34	28	36	32	34	35	36	32	40	42	38	43	46	42	38	40.
	Minimum	17	27	32	30	30	12	8	13	12	10	22	18	6	-14	-5	4	8	11	10	-12	-8	-7	-3	4	5	4	-1	5	10	5	8	8.
Beowawe §§	Maximum	47	47	50	42	45	50	35	40	42	35	32	28	30	30	24	35	30	22	24	24	26	29	36	29	35	44	37	48	39	43	49	30.
	Minimum	15	13	25	26	20	25	10	5	11	6	14	5	17	-11	-10	0	9	10	12	-8	-14	-9	-1	-8	3	0	0	-7	-5	3	9	5
Carlin	Maximum	46	48	50	48	43	35	28	45	50	40	39	33	30	28	32	32	32	30	30	33	32	33	34	40	40	47	48	47	47	44	38	38
	Minimum	3	5	32	27	25	-1	2	-3	-6	-1	3	-3	-12	-18	-10	28	12	12	-8	-20	-27	-18	-8	-17	-3	5	2	4	-2	-3	4	0.
Clover Valley	Maximum	46	44	42	47	45	40	33	42	39	28	33	32	30	24	29	29	25	26	27	30	19	24	38	35	37	46	39	38	35	40	43	35
	Minimum	9	12	33	30	20	18	4	5	7	7	12	6	5	-10	-10	0	0	14	10	-8	-14	-9	2	-3	1	7	6	11	2	6	6	5
Dry Farm	Maximum	38	42	41	41	42	38	32	31	30	31	30	27	25	24	21	28	27	25	23	21	19	26	35	31	45	44	40	36	38	38	42	32
	Minimum	16	38	30	26	21	21	5	6	11	13	17	6	6	2	2	5	7	5	1	4	3	0	9	5	5	19	13	10	11	13	17	11
Elko	Maximum	40	44	46	47	44	40	35	32	34	32	33	31	28	25	25	28	35	25	20	16	17	21	31	27	26	37	36	35	32	32	37	32
	Minimum	11	7	31	31	16	19	0	-1	4	10	4	1	10	-12	-10	2	0	7	7	-14	-22	-18	-5	-15	-9	-3	-3	0	-2	-3	4	1
Eureka	Maximum	42	42	39	42	43	38	34	37	33	30	33	27	31	33	29	30	33	33	33	34	31	35	44	45	50	45	41	45	44	49	53	38
	Minimum	20	20	26	30	23	15	10	8	17	20	12	6	10	-3	1	12	18	12	-6	1	-7	1	9	9	16	20	9	12	12	14	24	12
Golconda	Maximum	48	46	45	38	36	32	26	34	36	32	30	32	28	22	21	32	30	24	21	18	20	25	28	28	32	35	35	35	38	40	33	31
	Minimum	15	20	26	27	20	18	4	13	20	11	12	16	7	-6	-14	4	12	15	8	-9	-8	1	-4	0	2	6	2	7	9	6	14	8
Halleck	Maximum	38	51	51	47	45	40	38	35	39	38	32	28	28	28	28	32	32	28	28	22	22	38	35	38	30	40	40	40	28	35	40	35
	Minimum	5	8	10	12	15	6	-9	-9	-5	-1	-4	2	-2	-22	-20	-2	-10	8	10	-22	-26	-18	-10	-19	-13	-6	-9	0	-8	-8	-4	-4
Imlay	Maximum	48	47	49	48	47	32	34	34	32	34	35	32	31	29	30	31	34	26	27	26	20	21	29	28	30	35	32	34	40	35	36	33
	Minimum	19	20	21	19	30	4	8	9	10	14	9	8	7	7	9	8	4	0	8	1	12	11	6	11	8	2	6	4	15	8	9	6
Paradise Valley	Maximum	45	42	44	39	36	35	36	37	37	33	32	30	36	27	30	31	25	28	21	28	20	34	34	32	29	39	35	36	40	44	44	34
	Minimum	16	13	29	21	23	6	5	4	7	12	16	8	7	-13	-8	1	-3	5	12	-5	-14	7	-5	-8	-4	7	0	-1	8	2	3	4
Potts	Maximum	48	45	39	40	38	34	33	32	35	27	28	21	24	28	29	32	34	27	29	28	25	35	38	40	47	43	43	43	43	43	48	35
	Minimum	-2	10	29	29	15	5	5	2	7	7	2	2	0	-8	-7	13	20	1	-6	-7	-11	-2	4	-5	7	13	1	10	1	2	13	4
Shafter	Maximum	38	36	42	43	42	38	22	28	26	28	26	27	28	22	24	28	24	22	24	22	21	28	34	28	38	28	33	35	25	35	38	30
	Minimum	2	4	20	20	15	6	5	-2	-3	-3	-2	-2	-3	-19	-10	-10	-12	-7	-5	-15	-23	-16	-19	-6	-19	-9	-7	-7	-13	-7	-3	-4
Tecoma	Maximum	60	60	61	60	59	60	60	59	59	58	60	60	58	57	57	57	55	57	58	57	55	56	57	56	56	57	55	56	55	56	55	57
	Minimum	8	-10	-8	12	8	0	-1	-8	-7	-10	-5	-5	-13	-20	-18	-20	-22	-18	-20	-20	-20	-21	-12	-20	-18	-15	-16	-3	-12	-10	-10	-11
Wells	Maximum	28	39	34	54	41	30	34	38	28	22	10	20	19	21	20	22	30	18	19	22	20	17	25	20	30	35	20	27	26	21	27	26
	Minimum	6	10	7	18	12	6	8	9	2	-1	-4	-3	-16	-14	-7	-2	-8	-9	-6	-7	-5	-7	-4	-3	0	2	2	-1	-3	-5	0	-0
Winnemucca	Maximum	48	43	44	40	36	34	35	26	37	29	32	30	28	28	23	27	31	22	20	24	22	29	29	27	30	40	33	38	39	40	41	32
	Minimum	15	14	30	26	14	7	13	8	6	8	9	16	0	10	6	8	1	3	6	1	10	10	3	9	1	7	1	4	11	3	6	5
Truckee Basin.																																	
Fernley	Maximum	52	50	50	42	38	33	33	35	36	44	36	34	33	32	27	32	32	31	28	28	24	29	29	31	30	41	39	43	45	41	43	3
	Minimum	15	19	22	25	29	17	25	26	22	24	22	18	22	11	8	8	19	17	21	19	3	-5	0	-5	1	11	18	8	15	9	16	14
Glenbrook	Maximum	40	41	42	39	38	34	35	37	35	32	34	35	36	38	37	28	36	25	23	24	28	29	39	43	41	40	42	43	43	44	46	3
	Minimum	23	22	26	25	20	20	23	11	15	25	20	10	8	8	10	19	11	19	17	18	5	11	12	12	15	12	16	15	16	19	25	1
Lewer's Ranch	Maximum	45	42	46	40	38	44	45	35	35	29	34	32	35	26	25	30	32	30	28	26	25	30	25	24	54	56	42	44	42	41	44	3
	Minimum	22	31	23	24	25	20	20	10	13	23	24	10	14	4	1	12	9	15	9	12	1	1	5	6	8	31	15	20	20	15	20	1
Reno	Maximum	50	49	43	44	40	39	31	35	36	40	36	37	34	26	24	31	34	31	27	25	30	30	36	33	37	45	42	43	49	44	44	3
	Minimum	21	26	31	24	26	20	23	19	19	24	20	16	13	6	7	17	15	20	19	18	4	5	8	4	10	15	18	14	23	16	20	1
Cathedral Park, Cal.	Maximum	46	48	35	33	31	30	29	28	28	32	54	48	48	46	45	44	44	38	37	32	34	36	32	27	21	24	21	18	14	11	13	3
	Minimum	26	25	20	21	21	26	10	12	12	11	20	21	20	17	15	14	14	11	12	15	17	19	14	16	11	14	12	10	7	7	9	1
Tahoe, Cal.	Maximum	42	43	33	27	27	32	27	29	29	32	30	27	26	32	30	33	32	34	31	30	30	35	39	40	45	39	41	42	45	44	40	3
	Minimum	24	20	22	12	21	21	12	6	11	23	18	21	-2	-2	4	17	16	17	16	16	2	20	11	16	17	20	13	12	16	21	21	1
Carson Basin.																																	
Fallon	Maximum	52	53	52	45	43	37	36	38	37	43	36	33	33	27	24	33	33	29	30	25	26	28	32	32	32	40	41	44	46	41	44	3
	Minimum	17	27	23	32	24	20	22	26	22	25	19	17	19	4	4	17	21	22	23	19	0	-1	3	-2	4	10	8	6	18	8	16	1
Gardnerville	Maximum	45	48	50	46	41	....	45	37	35	41	....	38	....	35	....	30	30	33	33	....	32	30	25	29	....	43	....	44	55	40	....	3
	Minimum	15	18	34	22	24	....	16	9	16	24	....	13	....	1	....	5	10	16	15	....	-1	-11	-5	-10	....	10	....	1	18	5	....	1
Lahontan §§	Maximum	46	53	48	47	43	43	42	32	36	40	39	39	38	34	36	34	32	32	33	32	26	26	29	30	30	37	38	45	44	42	40	3
	Minimum	30	30	30	31	29	27	27	24	26	26	25	22	16	15	16	17	26	24	8	5	5	6	6	6	12	16	20	20	18	19	25	1
Walker Basin.																																	
Mina	Maximum	60	60	65	58	58	56	55	58	54	52	52	48	45	40	35	35	35	34	35	30	28	25	28	28	35	38	37	35	50	52	52	4
	Minimum	15	16	15	14	15	16	13	17	14	14	13	12	10	20	2	10	20	19	20	12	12	10	14	12	10	20	20	22	24	25	22	1
Thorne	Maximum	64	57	54	55	47	49	42	43	49	47	46	38	36	32	32	43	42	32	35	30	30	24	28	32	30	32	39	43	45	46	49	4
	Minimum	38	40	43	43	28	29	28	28	29	28	32	28	30	26	26	29	28	28	29	10	8	6	4	2	0	6	9	10	10	17	19	2
Yerington	Maximum	46	51	51	49	41	35	37	35	34	43	37	35	31	28	24	29	30	31	29	25	22	26	30	30	34	40	41	39	43	40	42	3
	Minimum	11	22	20	25	21	21	25	16	13	21	13	16	11	3	0	13	19	22	15	19	-1	-4	0	-6	3	8	11	5	24	8	16	1
Bridgeport, Cal.	Maximum	38	42	40	38	39	34	35	34	36	34	30	28	38	30	34	32	30	32	28	19	18	15	21	21	40	39	40	30	36	36	35	3
	Minimum	21	11	30	22	24	0	10	-3	13	24	2	8	4	-10	-4	-4	10	-14	-4	-13	-20	-20	-10	-21	-6	2	6	9	18	-4	12	
Colorado Basin.																																	
Caliente	Maximum	50	54	56	54	50	50	54	56	56	58	56	56	54	50	46	48	48	54	54	56	56	54	52	52	50	48	48	46	46	44	40	51
	Minimum	24	26	28	30	26	26	24	26	26	20	10	10	8	0	0	2	2	18	20	22	24	20	18	18	20	10	10	8	6	10	4	1
Indian Springs	Maximum	66	50	51	52	55	53	52	49	50	45	41	37	36	34	33	38	41	48	43	40	42	53	51	50	48	50	52	49	54	52	56	47
	Minimum	21	28	22	30	36	23	25	20	22	21	25	25	12	13	12	24	31	32	23	20	22	34	34	32	28	24	26	22	32	20	28	24
Las Vegas	Maximum	51	61	63	67	64	62	57	59	59	53	53	49	50	49	47	52	42	48	48	51	56	65	61	61	64	52	56	58	60	61	60	5
	Minimum	27	25	33	31	30	28	25	24	27	24	24	24	24	24	19	27	32	33	24	24	32	38	43	26	26	30	26	26	25	24	23	27
Logan	Maximum	57	61	65	69	64	60	59	59	60	51	52	53	50	49	47	50	46	50	50	54	52	61	57	62	59	51	59	56	55	58	63	5
	Minimum	28	22	31	36	37	31	24	26	32	30	25	34	28	27	22	29	35	38	29	29	29	36	42	30	30	30	30	28	34	29	28	3
Minor Basins.																																	
Cherry Creek	Maximum	34	43	40	40	40	38	30	31	27	24	29	30	24	27	26	30	28	21	17	22	32	31	34	33	48	45	42	33	42	40	52	3
	Minimum	14	12	33	29	26	17	13	5	3	7	5	-3	7	6	-5	4	7	5	2	-10	-11	2	6	3	9	23	10	12	7	12	16	
Columbia	Maximum	43	41	36	41	40	38	39	40	38	33	28	35	30	34	32	33	33	30	28	22	21	32	31	34	42	37	36	42	42	48	47	3
	Minimum	26	20	30	32	24	18	17	14	21	22	22	9	9	3	7	12	22	18	7	-3	-1	4	8	8	13	19	14	12	21	14	18	11
Gerlach	Maximum	45	45	45	44	39	39	30	29	26	25	29	31	26	24	22	29	20	18	20	23	20	19	22	21	22	25	26	28	30	23	30	2
	Minimum	24	20	30	18	28	12	19	20	18	18	18	21	24	12	10	14	12	9	0	15	4	0	0	5	11	0	1	2	8	1	2	1
Lida	Maximum	33	33	32	31	31	30	25	30	30	22	24	32	23	30	20	25	29	23	21	19	19	29	34	34	30	30	33	31	30	35	40	2
	Minimum	25	13	29	29	11	12	13	13	16	15	5	12	10	7	6	7	19	16	3	1	12	17	24	25	12	17	17	12	23	13	18	14
McDermit	Maximum	45	46	40	40	35	33	33	29	37	32	32	34	33	26	29	31	33	25	20	30	27	33	31	31	28	43	33	35	36	44	45	3
	Minimum	12	21	30	20	24	9	5	5	3	9	15	13	9	-2	1	-2	-3	-1	4	-1	-6	-2	-3	-5	-5	15	5	19	10	14	14	
McGill	Maximum	40	44	43	42	40	41	35	35	32	31	31	26	32	35	26	30	34	29	29	22	22	30	35	33	47	44	36	43	42	47	54	3
	Minimum	15	15	31	30	27	15	12	6	5	12	4	2	5	-4	2	7	12	9	4	-2	-6	-2	6	6	11	27	4	7	10	13	9	
Oasis Ranch	Maximum	45	43	40	43	42	42	40	43	42	35	34	36	33	32	34	35	37	30	26	30	23	19	30	30	31	35	36	33	30	40	40	3
	Minimum	23	23	24	33	19	12	10	10	18	20	20	13	3	-2	3	13	19	20	0	-1	5	5	9	3	2	10	11	14	12	10	17	1
Pahrump	Maximum	67	59	61	62	59	54	50	53	57	49	43	42	45	43	44	45	42	40	44	45	50	54	56	57	55	53	54	56	56	57	59	5
	Minimum	29	16	20	24	27	23	15	15	18	27	17	23	15	16	14	27	31	33	23	20	24	28	36	24	19	26	31	20	28	19	20	2
Rebel Creek	Maximum	50	55	50	40	37	33	35	34	35	33	33	28	36	20	24	32	20	20	20	20	25	32	30	32	30	37	34	37	37	40	42	3
	Minimum	19	21	32	20	21	10	10	15	10	10	8	12	12	-2	0	2	5	4	12	-1	-2	2	0	2	6	13	9	10	13	9	10	
Rhyolite	Maximum	53	50	50	52	50	60	54	49	51	45	39	40	42	40	44	41	49	49	40	42	56	46	50	51	49	54	52	52	59	60	59	4
	Minimum	35	29	35	37	38	30	24	29	29	29	28	30	18	19	23	27	25	18	19	20	22	18	19	21	23	26	24	25	26	30	21	2
Sand Pass	Maximum	50	49	45	44	41	35	31	33	32	36	34	32	31	30	23	26	31	29	26	28	21	24	28	22	23	29	34	40	38	33	33	3
	Minimum	25	22	30	15	25	10	24	23	23	26	22	21	20	12	3	16	16	22	16	16	-1	0	0	5	10	9	10	9	13	9	11	1
Searchlight	Maximum	43	54	53	54	53	53	46	45	51	43	42	41	37	36	39	44	42	42	41	40	40	49	49	50	50	47	47	50	46	50	50	4
	Minimum	33	33	37	35	37	33	30	33	36	31	29	29	29	25	26	29	29	38	31	28	28	35	38	38	34	35	36	36	33	34	42	3
Sharp	Maximum	41	45	36	44	44	38	41	38	38	29	26	26	32	34	34	35	34	36	34	36	35	43	43	46	45	43	44	46	42	48	46	3
	Minimum	10	10	26	34	26	6	5	3	5	3	6	-5	-7	-8	-8	6	20	-2	-8	-9	-10	0	6	6	4	5	1	6	12	4	6	
Tonopah	Maximum	35	38	32	36	35	33	34	33	32	23	20	24	22	24	25	26	26	22	19	19	18	26	29	36	42	34	33	36	40	42	42	3
	Minimum	26	25	26	29	25	20	20	21	21	20	18	14	12	13	12	13	19	15	9	6	8	11	17	22	29	24	21	25	28	26	31	1

a, b, c, etc., indicates respectively 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
Edmonton
Battleford
Prince Albert
Calgary
Medicine Hat
Qu Appelle
Swift Current
Minnedosa
Winnipeg
White River
Port Arthur
Sault Ste Marie
Parry Sound
Kamloops
Spokane
Kalispell
Havre
Wallace
Missoula
Helena
Billings
Miles City
Williston
Devils Lake
Grand Forks
Bismarck
Moorhead
Duluth
Marquette
Yellowstone Park
Sheridan
Boise
Pocatello
Lander
Rapid City
Pierre
Huron
Green Bay
Alpena
Saugeen
Salt Lake City
Cheyenne
Valentine
Yankton
Sioux City
Madison
Milwaukee
Grand Haven
Grand Rapids
Port Huron
Dubuque
Davenport
Des Moines
Omaha
North Platte
Lincoln
Grand Junction
Denver
Leadville
Canon City
Pueblo
Concordia
St Joseph
Topeka
Kansas City
Modena
Tonopah
Independence
Durango
Dodge City
Wichita
Amarillo
Roswell
El Paso
San Antonio
Abilene
Palestine
Galveston
Springfield
Memphis
Vicksburg
New Orleans
Pensacola
Mobile
Montgomery
Atlanta
Augusta
Savannah
Jacksonville
Wilmington
Hatteras
Chattanooga
Knoxville
Nashville
Cincinnati
Columbus
Pittsburgh
Toledo
Detroit
Cleveland
Buffalo
Chicago
St Louis
Keokuk
Cairo
Winnemucca
Red Bluff
Sacramento
San Francisco
Fresno
Los Angeles
San Diego
Yuma
Phoenix
Tucson
Seattle
Portland
Baker
Walla Walla
Lewiston
Statute Miles
0.5
1
2
4
6
8

MISCELLANEOUS PHENOMENA.

Solar Halos.—(Dates) 9th, 15th, 24th, 25th, 28th, 29th.

Lunar Halos.—(Dates) 1st, 2nd, 4th, 23rd, 24th, 25th, 26th, 28th, 30th, 31st.

Dense Fog.—(Dates) 3rd, 6th, 7th, 8th, 9th, 10th, 12th, 13th, 14th, 15th, 18th, 19th, 20th.

LATE REPORTS.

October, 1914.—Thorne, Mineral County, total precipitation, 0.02 inch; number of days with rain, 1; clear, 12; partly cloudy, 8; cloudy, 11.

November.—Potts, Nye County, mean temperature, 35.3; highest, 66 on the 2nd; lowest, 3 on the 15th; no precipitation; clear days, 18; partly cloudy, 2; cloudy, 10. Thorne, Mineral County, no precipitation; clear days, 25; partly cloudy, 5; cloudy, 0. Indian Springs, Clark County, mean temperature, 49.2; highest, 74 on the 1st; lowest, 22 on the 29th and 30th; no precipitation; clear days, 27; partly cloudy, 2; cloudy, 1. Lake Valley, Lincoln County, mean temperature, 36.4; highest, 70 on the 4th; lowest, 0 on the 18th; no precipitation; clear days, 28; partly cloudy, 2; cloudy, 0. Mina, Mineral County, mean temperature, 46.4; highest, 76 on the 4th; lowest, 15 on the 29th; no precipitation; clear days, 24; partly cloudy, 0; cloudy, 6.

CORRECTIONS.

April, 1914.—Golconda, Humboldt County, mean temperature should be 46.8; departure, −1.2; greatest range, 31; on page 30, minimum on 1st should be 25; mean minimum, 37.9.

OF THE
UNIVERSITY OF

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

NEVADA SECTION

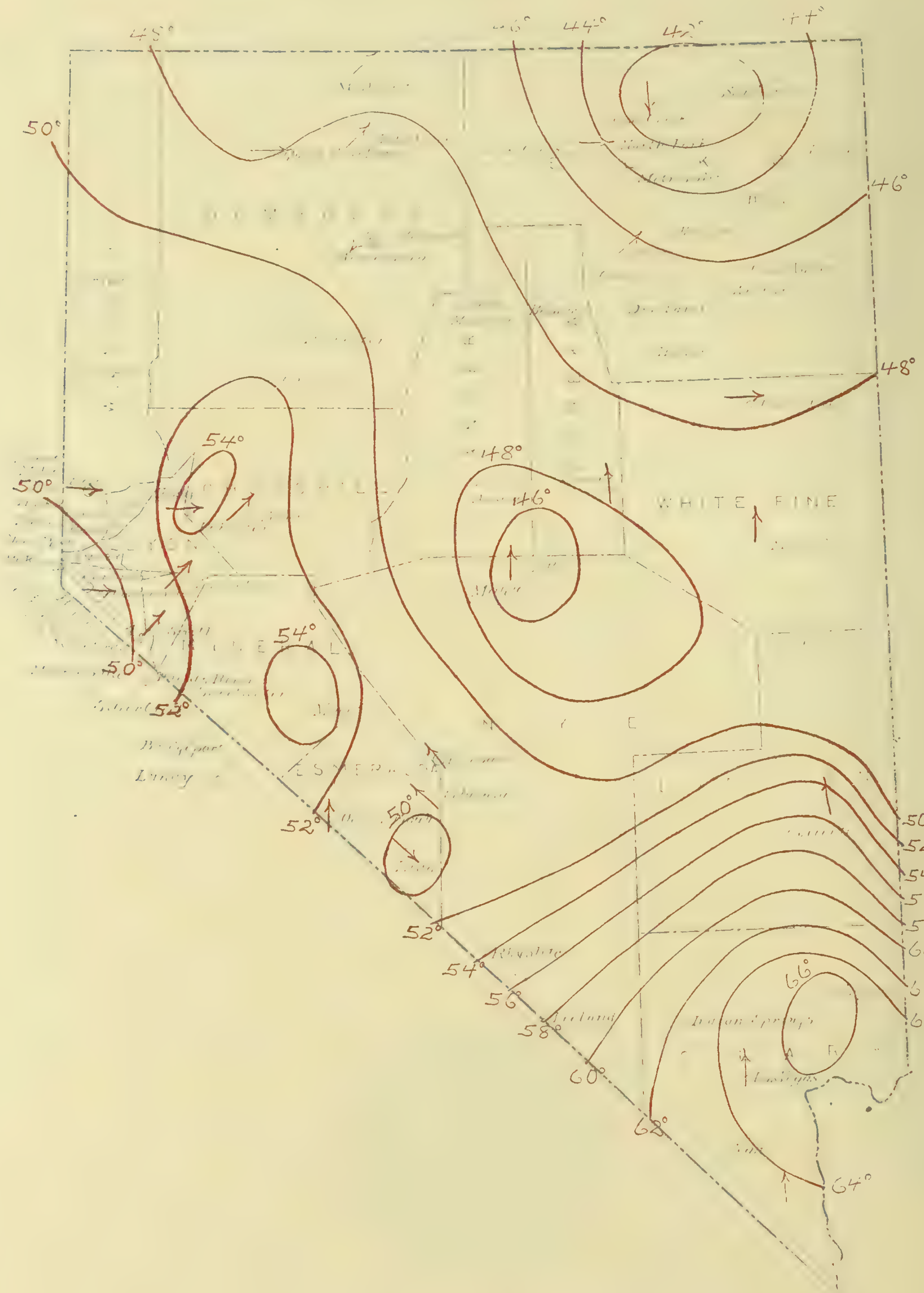
ANNUAL SUMMARY, 1914

BY

HENRY F. ALCIATORE
SECTION DIRECTOR

RENO, NEV.
WEATHER BUREAU OFFICE
MARCH 4, 1915.

Mean annual temperature and prevailing wind direction, year, 1914.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALCIATORE, Section Director.

VOL. XXIX. RENO, NEVADA, YEAR, 1914. NO. 13

GENERAL SUMMARY.

Among the salient features of the meteorological conditions observed in 1914, the following deserve special mention: A remarkably mild and wet January during which more than 32 per cent of the year's precipitation occurred, together with a maximum temperature of 87 degrees, the highest of record; a continuous excess of temperature monthly from January to May; an unusually cold and wet June, the last killing frosts of Spring occurring in that month at many stations, and injuring fruit; a maximum temperature of 122 degrees at Leeland, and a minimum of 14 degrees at Geyser in August, both record breakers; a pleasant Fall at the close of which the staple crops had been gathered in good condition, and most of which had yielded abundantly, particularly the hay crop, which was immense, owing to favorable weather and an abundant supply of water for irrigation; a November that broke the record for dryness and, lastly, a December that was not only phenomenally cold (lowest temperature, 27 degrees below zero,) but which proved to be the coldest month of the year, and in some localities the coldest of record.

The first killing frosts of Autumn in the northern and western counties occurred between the 8th and 12th of September. With a few exceptions, the annual temperature was above the normal at all stations, the mean for the State as a whole, 50.5 degrees, being 0.6 degree above the ten-year normal. The warmest place was Logan, Clark County (annual temperature, 66 degrees), and the coldest was Gold Creek, Elko County, with a mean of 41 degrees.

In regard to precipitation the records show that the annual fall has ranged from less than 2 inches at Potts, Nye County, to more than 25 inches at Marlette Lake, a snowfall station in the Sierras at an elevation of 7,900 feet. As compared with the normal, an excess is noted in January, April, June and July, and a deficiency in the other months. In some localities in the northeastern, central and extreme western counties the annual fall was from 10 to more than 25 inches, but over the rest of the State it was considerably less than 10 inches, and below normal generally, the average for the whole section being 9.43 inches, which is 0.41 inch below the normal. The seasonal precipitation (September to December) in the principal watersheds was appreciably less than that of 1913, and at the close of December there was less snow in the mountains than in 1913. In regard to the probable supply of water for irrigation during the growing season of 1915, the following extracts from special reports, as of December 31, 1914, will be of interest:

> "The water level in Lake Tahoe was 6227.10 feet, which was unusually high for that time of year. There was sufficient water stored up in the lake for two dry seasons in succession.—L. O. Murphy, Truckee River General Electric Company."
>
> "The snow in the Mt. Rose district was about 10 inches deep at the 6,000-foot level, 20 inches at the 8,000-foot level, and 30 inches at the 9,000-foot level. The average depth in the region south of Mt. Rose, and north of Lake Tahoe, was about 24 inches.—Prof. J. E. Church, Jr., University of Nevada."

By months, the average number of days with measurable precipitation ranged from 0 in November to 7 in January. The average for the year was 41.

At Reno, Winnemucca and Tonopah the annual percentages of sunshine were 73, 77 and 71 respectively. For the whole State, there was an average of 195 clear, 93 partly cloudy and 77 cloudy days. Westerly winds prevailed during the greater part of the year.

THE WEATHER BY MONTHS.

January.—Mild temperature and heavy precipitation were the chief features. The highest temperature, 87 degrees, recorded at Logan, broke the State record for January. Not since 1890 had Nevada experienced so wet a January. There were few days without precipitation in some part of the State. Most of the snow below the 5,000-foot level melted and ran off during the warm spell from the 20th to the 25th.

February.—This was a very mild month. The first week was cold, but no very low temperatures occurred. The rest of the month was relatively warm. Fruit trees began to bloom in the extreme southern portions on the 20th. The precipitation was below normal. Reports from mountain snowfall stations indicated that there would be plenty of water for irrigation purposes in the summer.

March.—The weather was mild and uncommonly dry. Stock and all the agricultural interests except fruit were favorably affected. Fruit trees bloomed several weeks earlier than usual. Most of the fruit that had bloomed north of the 39th parallel (except near the Sierras) was killed by frosts at the close of the month. The deficiency in precipitation was general.

April.—The first 21 days were warm, but the rest of the month was cold. At Las Vegas (extreme south) the thermometer rose to 102 degrees on the 19th. The precipitation was above the average. Most of the snow had disappeared from southern and western slopes, but at higher levels, on northern and northeastern slopes, there were drifts 10 to 20 feet deep, and there had been but little run-off above the 8,000-foot level. In the extreme southern district the first crop of alfalfa was about all cut, grain was heading, and early fruit was maturing.

May.—This month was warmer and drier than usual. No killing frosts occurred except in the extreme northeast. Thunderstorms occurred at many places on the 9th and 10th, and from the 14th to the 25th. A destructive hailstorm occurred at Virginia City on the 30th. The warm weather melted nearly all the snow below the 8,000-foot level, and the rivers reached high stages.

June.—The weather was cold and unusually wet. Frosts occurred during the first week, north of the 39th parallel, the greatest damage occurring in the Carson Valley. Stream flow was keeping up well in all basins. Crops and ranges were in good condition, except in the central portion. The first crop of alfalfa in the northern, and the second in the southern section, were about ready to cut, and melons were being shipped in the south.

July.—Frequent but widely scattered local thunderstorms and showers, and a mean temperature slightly below normal were the chief features. The snow lay deep on the northwestern slopes at high elevations. Water was plentiful in the rivers. Excepting the ranges in the central counties, which needed rain badly, the weather was favorable to the agricultural interests.

August.—This was the warmest month experienced since 1898. The maximum temperature recorded, 122 degrees, broke the State record. During a cold period lasting from the 18th to the 21st, the thermometer dropped to 14 degrees, breaking another State record. A severe electrical storm did some damage in the Tonopah district on the 16th. The precipitation was deficient everywhere. The hay crop was unusually large. The potato crop had deteriorated, due to hot weather. Ranges were good, except in the central portion of the State. The supply of water for irrigation was ample.

September.—The weather was pleasant, both the mean temperature and the precipitation being slightly below the normal. The first autumnal killing frosts occurred in the northern and western districts between the 8th and 12th. The rainfall was ample in the Humboldt Basin, but deficient elsewhere. At the close of the month the principal crops had been harvested, and most of them had yielded well.

October.—The mean temperature was above normal in all districts in spite of two spells of relatively cold weather. The first killing frost at Reno occurred on the 4th, and at Tonopah on the 22d. The rainfall was unusually copious in the Columbia and Humboldt basins, but very deficient elsewhere. In the Bridgeport, Cal., district of the Sierras most of the snow had disappeared, except the big drifts in the gulches and canyons.

November.—This was the driest November experienced in Nevada in the past quarter century. At 38 out of 51 stations reporting there was no measurable quantity of precipitation recorded. Barring two periods of relatively cold weather, the temperature was generally mild. The first killing frosts in the extreme southern district occurred in the last decade. As compared with November, 1913, the amount of snow in the mountains was very much less. In the sheep and cattle ranges the scarcity of water had become serious.

December.—The weather was unusually cold, and the precipitation deficient, except in Lincoln and Clark counties. A minimum temperature of 27 degrees below zero occurred at Carlin. The monthly precipitation ranged from .02 inch at Imlay to 2.28 inches at Marlette Lake. The snowfall ranged from an average of 5.4 inches in the Humboldt basin to 29.3 inches in the Truckee basin, and was deficient in all districts. In the Truckee watershed there is sufficient water stored up to supply the needs of irrigation next summer even if the winter should prove a very dry one.

CORRECTIONS.

Annual Summary for 1913.—Page 9, Las Vegas, precipitation in December, 0.70, departure, plus 0.46, and annual amount, 4.59, departure, plus 1.02, should be 0.07, departure, —0.17, and annual amount should be 4.96, departure, plus 0.95.

KILLING FROSTS.

Stations	Last in Spring	First in Autumn	Stations	Last in Spring	First in Autumn
Gold Creek	June 22	Sept. 1*	Mina	June 8*	Oct. 4*
Owyhee	June 6	Sept. 9	Thorne	Apr. 17*	
San Jacinto	June 9*	Sept. 1	Yerington	June 5*	Sept. 10
Austin		Sept. 12*	Caliente	May 8*	
Battle Mountain	June 5*	Sept. 8*	Indian Springs	Mch. 13	
Beowawe	Apr. 28	Sept. 21*	Lake Valley		Sept. 13
Carlin		Sept. 3*	Las Vegas	Mch. 31	Nov. 13*
Clover Valley	June 6	Sept. 9	Logan	Feb. 28*	Nov. 12*
Dry Farm	June 6	Sept. 9*	Cherry Creek	June 6	Sept. 21
Elko	June 22*	Sept. 5*	Columbia	June 6*	Oct. 4*
Eureka	June 6	Sept. 13*	Gerlach		Sept. 13*
Golconda	June 5*	Sept. 8*	Geyser	All mo's	
Halleck	June 22		Jean	Feb. 11*	
Imlay	Apr. 30*	Oct. 3*	Leeland	Mch. 31*	
Lovelocks	May 27*		Lida	June 6	Sept. 13*
Metropolis	June 6		McDermitt	June 6*	Sept. 8
Paradise Valley		Sept. 13	McGill	June 6*	Sept. 13*
Potts	June 26*	Sept. 5*	Millett	June 26	Sept. 7*
Shafter	June 22*	Aug. 18*	Oasis Ranch	Apr. 27*	Sept. 13*
Tecoma	All mo's	All mo's	Pahrump	Mch. 8*	Nov. 12
Wells	June 22*	Sept. 12*	Quinn River Ranch	June 26*	Sept. 8*
Winnemucca	June 6	Sept. 13	Rebel Creek	June 6*	Sept. 12
Fernley	June 5*	Sept. 9*	Rhyolite	Feb. 22	
Lewers Ranch	June 5	Sept. 8*	Sand Pass	Apr. 24*	
Reno	Apr. 25*	Oct. 4	Searchlight	Feb. 7*	Dec. 14
Fallon	Apr. 24	Sept. 9	Sharp	June 9	Oct. 4
Gardnerville	June 8*	Sept. 9*	Tonopah	June 5	Oct. 22
Lahontan	Apr. 23*	Oct. 3*			

* Indicates last date in Spring or first date in Autumn with temperature of 32 degrees or lower, no killing frosts being reported.

COMPARATIVE ANNUAL DATA FOR NEVADA.

Year.	Temperature.			Average Precipitation.	No. Rainy Days.	No. Clear Days.	No. Partly Cloudy Days.	No. Cloudy Days.	Prevailing Wind Direction.
	Mean.	Maximum.	Minimum.						
1890	49.6	118	−39	12.88					
1891	48.3	101	−30	14.06					
1892	48.5	115	−25	10.54					
1893	48.3	110	−40	9.22	43				sw.
1894	48.8	108	−41	10.89	52				w.
1895	47.1	112	−35	7.90	36	181	94	90	sw.
1896	48.7	117	−26	10.61	43	162	101	103	w.
1897	48.5	116	−22	9.79	47	165	99	101	w.
1898	47.9	114	−28	6.49	32	199	87	79	w.
1899	48.6	110	−29	9.12	37	184	83	98	sw.
1900	49.6	113	−12	8.25	48	176	96	93	sw.
1901	48.0	104	−27	13.20	52	187	92	86	sw.
1902	48.0	117	−32	7.25	37	197	89	79	sw.
1903	48.1	114	−32	7.06	29	219	77	69	sw.
1904	49.2	110	−23	10.62	45	186	87	93	sw.
1905	47.1	109	−37	8.32	38	194	87	84	sw.
1906	48.5	115	−22	15.87	53	172	96	97	s.
1907	49.4	113	−28	13.06	47	164	104	97	w.
1908	49.3	116	−20	6.34	33	189	98	79	w.
1909	49.1	116	−18	11.03	45	179	101	85	w.
1910	52.0	114	−28	5.53	30	202	87	76	w.
1911	47.7	113	−28	7.84	41	196	93	76	w.
1912	47.9	113	−29	6.99	43	185	99	82	w.
1913	48.8	113	−38	10.99	49	181	96	88	w.
1914	50.5	122	−27	9.43	41	195	93	77	w.
Means	48.7	122	−41	9.73	42	186	93	86	w.

TEMPERATURE AND PRECIPITATION FOR NEVADA, 1914.

Month.	Temperature (deg. Fahrenheit).				Precipitation in inches.				Sky.			Prevailing direction of the wind.
	Mean.	Departure.	Highest.	Lowest.	Average.	Departure.	Greatest local amount.	No. days .01 or more.	Clear.	Pt. Cloudy.	Cloudy.	
January	34.2	+5.3	87	−25	3.06	+1.62	15.86	7	10	8	13	sw.
February	35.5	+2.4	79	−16	0.87	−0.39	3.26	5	15	6	7	w.
March	44.4	+3.5	87	4	0.19	−0.90	1.15	2	20	7	4	s.
April	49.2	+0.3	102	5	1.23	+0.28	3.57	6	9	10	11	w.
May	59.4	+3.5	111	10	0.53	−0.43	2.12	3	15	11	5	w.
June	62.0	−3.1	114	12	1.26	+0.83	3.91	6	15	8	7	w.
July	72.4	−0.6	118	32	0.52	+0.14	1.70	3	16	10	5	w.
August	72.5	+0.2	122	14	0.14	−0.22	0.90	1	23	7	1	sw.
September	58.9	−0.8	103	17	0.45	−0.10	1.79	2	19	7	4	sw.
October	51.5	+2.0	96	14	0.61	−0.07	2.65	3	17	7	7	w.
November	41.6	+1.5	88	−11	0.03	−0.67	0.29	0	22	5	3	w.
December	24.5	−7.1	69	−27	0.54	−0.50	2.28	3	14	7	10	sw.
Annual	50.5	+0.6	122	−27	9.43	−0.41	15.86	41	195	93	77	w.

SUPPLEMENTARY TABLE, MONTHLY AND ANNUAL PRECIPITATION FOR THE YEAR 1914.

Stations.	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	Annual.
Bijou	14.22	2.26	0.00	1.88	0.30	0.34	0.12				0.14	1.13	
Bridgeport	6.58	1.45	0.00	0.76	0.42	0.12	0.32	0.14	0.02	0.25	0.00	0.60	10.66
Cathedral Park	11.38	2.96	0.04	2.93	0.66	1.10				2.66	0.79	2.80	
Deer Park	19.01	8.10		6.55	1.90		T.						
Hobart Mills	12.67	4.80	0.02	0.86	0.33	1.21	0.10	0.00	0.14	1.22	0.29	1.72	23.06
Lundy	14.34	5.50	T.	1.64	0.90	2.58	T.	0.05	T.	0.25	0.05		
McKinney	21.44	3.41	0.32	3.31	0.77	0.91	0.08	0.00	0.25	1.44	0.56	1.75	32.84
Markleeville	16.13	3.00	T.	1.77	0.45	0.05	0.39	0.38	0.80	0.57	T.	1.22	24.76
Shields Ranch	6.87	2.37	0.00	1.47	0.09	0.19	0.37	0.10	T.	0.24	0.00	0.47	12.17
Tahoe	20.49	5.26	0.11	2.29	0.55	0.95	0.00	0.00	0.18	1.28	0.50	3.36	34.97
Tallac	16.00	3.15	T.	3.50	0.33	1.05	0.20	T.	T.	0.35	0.16	0.68	25.42
Woodfords	13.18	8.05	0.00	1.20	0.20				0.11	0.54	T.	0.16	

Mountain Snowfall Stations in California, located in drainage basins of streams which flow into Nevada.

Climatological data for the year, 1914.

Stations.	Counties.	Elevation, feet.	Temperature (degrees Fahrenheit).						Precipitation, in inches.							Number of days.				
			Length of record, yrs.	Annual mean.	Highest.	Date.	Lowest.	Date.	Length of record, yrs.	Total for the year.	Greatest monthly.	Month.	Least monthly.	Month.	Total snowfall.	With 0.01 or more.	Clear.	Partly cloudy.	Cloudy.	Prevailing wind direction.
Columbia basin.																				
Gold Creek	Elko	6,600	1	40.7	98	Aug. 5	-17	Dec. 13	1											n
Owyhee	do	5,400	3	.....	102	June 17	-21	Dec. 14	3											
San Jacinto	do	5,200	9	.....	93	June 19†	-17	Dec. 21	9	8.92	1.88	June	T	Nov.	31.8	19				
Humboldt basin.																				
Arthur	do	.....	.....	.....	.....	.....	.....	.....	1	15.40	2.70	Apr.	0.00	Aug.		57				
Battle Mountain	Lander	4,513	13	.....	107	Aug. 13	-11	Dec. 14	45	.										
Beowawe	Eureka	4,695	13	48.0	93	Aug. 12	-11	Dec. 21	45	8.07	2.07	Oct.	0.00	Aug.*	5.7	25				
Carlin	Elko	4,896	13	.....	103	May 30	-27	Dec. 21	43	.....										
Clover Valley	do	6,000	13	46.3	92	Aug. 14	-11	Dec. 21	21	12.69	4.50	Jan.	0.09	Aug.		69	146	132	87	
Dry Farm	do	5,600	2	46.8	92	Aug. 5†	0	Dec. 22	5	13.62	2.89	do.	T	Nov.		64				
Elko	do	5,063	13	46.1	99	Aug. 13	-22	Dec. 21	44	9.96	2.56	do.	0.00	Aug.	21.7	48	205	74	86	sw
Eureka	Eureka	6,837	16	48.5	96	Aug. 5	-7	Dec. 21	18	15.01	3.57	Apr.	T	Nov.	76.9	66	124	105	136	s
Golconda	Humboldt	4,392	35	50.1	99	Aug. 13	-11	Dec. 15	37	5.26	1.28	June	0.00	Aug.		35	198	65	102	
Halleck	Elko	5,229	21	.....	.....	.....	-26	Dec. 21	45	.....	.....	.....								
Hilton	do	7,081	.....	.....	.....	.....	.....	.....	4	11.54	2.52	Jan.	0.05	Nov.	26.0	47	181	167	17	
Imlay	Humboldt	4,209	1	.....	100	Aug. 12	.....	.....	1	.....										
North Fork	Elko	6,500	.....	.....	.....	.....	.....	.....	5	8.44	1.40	Oct.	0.06	Nov.	21.3	57	139	83	143	w
Potts	Nye	6,002	21	44.1	94	June 29†	-11	Dec. 21	23	4.86	0.55	Apr.	0.00	do.	38.5	35	133	73	159	s
Shafter	Elko	5,583	1	.....	95	Aug. 6	.....	.....	1	.....										
Tecoma	do	4,812	36	44.7	100	Aug. 6†	-25	Jan. 11	37	4.37	1.50	Sept.	0.00	Oct.*	11.0	43	150	158	57	
Wells	do	5,631	42	45.7	93	July 13†	-16	Dec. 13	45	7.39	1.40	Jan.	0.00	May	33.1	51	.....			
Winnemucca	Humboldt	4,344	35	49.3	100	Aug. 13	-10	Dec. 14	45	8.44	2.17	June	T.	Aug.	11.9	73	180	75	110	ne
Truckee basin.																				
Fernley	Lyon	4,150	11	51.7	103	Aug. 5†	-5	Dec. 22†	45	7.45	4.62	Jan.	0.00	Mar.*	.....	30	236	80	49	
Lewers Ranch	Washoe	5,500	26	49.5	98	Aug. 12	1	Dec. 15†	27	16.82	8.80	do.	0.00	July*	97.2	34	98	194	73	
Marlette Lake	do	7,950	.....	.....	.....	.....	.....	.....	1	25.87	15.86	do.	0.00	do.*	241.5	40	.....	.....	.....	
Reno	do	4,532	27	51.1	98	Aug. 5	4	Dec. 21	27	8.71	5.46	do.	T.	Mar.*	32.2	45	202	99	64	w
Carson basin.																				
Fallon	Churchill	3,965	20	52.0	102	Aug. 5	-2	Dec. 24	20	4.02	2.28	do.	0.00	do.	1.5	35	207	99	59	sw
Gardnerville	Douglas	4,830	33	48.9	90	Aug. 5†	-11	Dec. 22	24	12.16	6.78	do.	0.00	do.*	.....	30	.....			w
Lahontan	Churchill	4,200	2	55.6	105	Aug. 5	5	Dec. 20†	4	4.69	3.05	do.	0.00	do.*	.....	38	212	102	51	w
Walker basin.																				
Mina	Mineral	4,350	7	55.1	102	Aug. 5	2	Dec. 15	18	6.48	2.34	do.	0.00	do.	2.0	33	.....	.....	.....	.....
Smith	Lyon	4,800	.....	.....	.....	.....	.....	.....	6	11.60	6.90	do.	0.00	do.*	31.0	27	.....	.....	.....	sw
Yerrington	do	4,375	5	49.7	98	Aug. 5	-6	Dec. 24	5	6.19	3.50	do.	0.00	do.*	6.7	31	.....	.....	.....	sw
Colorado basin.																				
Caliente	Lincoln	4,407	4	.....	102	July 6†	0	Dec. 14†	4	4.54	3.25	do.	0.00	Oct.*	2.5	27	259	11	95	s
Las Vegas	Clark	2,033	12	65.1	110	June 29†	19	Dec. 15	12	4.98	1.40	July	0.00	May*	2.0	21	236	64	65	s
Logan	do	1,355	7	66.2	113	Aug. 4	20	Jan. 10	15	5.96	1.64	Jan.	0.00	do.*	0.0	27	268	63	34	.....
Minor basins.																				
Cherry Creek	White Pine	6,450	6	47.6	98	Aug. 5	-11	Dec. 21	6	13.64	3.23	do.	0.04	Nov.	79.1	80	202	107	56	w
Columbia	Esmeralda	5,700	7	51.6	100	July 15†	-3	Dec. 20	9	10.62	2.37	do.	0.00	Oct.	14.0	48	232	78	55	se
Jean	Clark	2,864	6	.....	110	Aug. 10†	.....	.....	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Leeland	Nye	2,500	1	.....	122	Aug. 12†	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lida	Esmeralda	6,037	2	49.0	95	June 15	1	Dec. 20	2	9.89	4.23	do.	0.00	Mar.	12.0	25	267	61	37	nw
McDermitt	Humboldt	4,700	24	47.6	98	Aug. 13	-6	Dec. 21	24	7.73	1.92	June	T.	July*	15.9	60	228	92	45	sw
McGill	White Pine	6,338	4	49.6	96	Aug. 4	-6	Dec. 21	4	8.63	3.08	do.	T.	Nov.	25.5	44	242	71	52	s
Millett	Nye	5,040	6	.....	98	Aug. 5	-15	Dec. 21	7	7.06	1.74	Jan.	0.00	do.	.....	33	182	75	108	.....
Oasis Ranch	Esmeralda	5,106	2	51.1	97	June 30†	-2	Dec. 14	2	7.39	3.20	do.	0.00	Mar.*	4.0	27	205	132	28	s
Quinn River Ranch	Humboldt	4,850	12	48.0	102	July 29	-18	Dec. 21	13	4.56	1.86	do.	0.00	do.*	.....	22	.....	.....	.....	w
Rebel Creek	do	4,300	2	50.5	99	Aug. 5	-2	Dec. 14†	3	12.44	3.91	June	T.	Aug.*	16.5	53	182	71	112	sw
Searchlight	Clark	3,445	1	63.3	104	Aug. 3	25	Dec. 14	1	10.18	2.57	Feb.	T.	May	1.2	37	217	88	60	s
Sharp	Nye	6,200	1	.....	96	Aug. 4†	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tonopah	do	6,090	9	51.4	94	Aug. 5	6	Dec. 20	9	4.46	1.11	Jan.	0.00	Mar.*	8.0	39	185	130	50	se
For the State				50.5	122	Aug. 12†	-27	Dec. 21	....	9.43	15.86	Jan.	0.00	Mar.*	30.1	41	195	93	77	w

†Also on other dates. *Also in other months.

Monthly and annual precipitation for the year, 1914, with departures from the normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		Sept'mb'r.		October.		Nov'mb'r.		Decemb'r.		Annual.	
	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.
Columbia basin.																										
Gold Creek	1.89		0.86	....	0.42	....	1.5	....	0.98	....	1.55	....	0.57	....	0.09	....	1.25	....	2.16	....	0.29	....	....	....	....	....
Jack Creek	5.02		2.43	....	....	....	2.7	....	2.12	....	1.80	....	0.20	....	0.08	....	1.13	....	2.65	....	0.20	....	....	....	....	....
Owyhee			0.81		0.57	....	1.2	....	1.65	....	1.54	....	0.96	....	0.00	....	1.64	....	....	....	0.05	....	0.6	....	....	....
San Jacinto	0.11	0.48	0.61	−0.07	0.20	−0.71	0.17	0.42	1.60	+0.2	1.88	+0.1	1.20	+0.79	0.90	+0.29	0.80	+0.13	1.11	+0.42	T.	−0.65	0.3	−0.30	8.92	−0.46
Humboldt basin.																										
Arthur	2.00	....	1.05	....	0.70	....	2.60	....	1.05	....	2.00	....	1.60	....	0.00	....	1.10	....	1.80	....	0.20	....	1.00	....	15.10	....
Austin	....	....	....	....	....	....	....	....	....	....	....	....	....	....	0.13	−0.50	0.29	−0.19	0.56	−0.10	0.00	−0.64	0.21	−0.98	....	....
Battle Mountain	0.55	−0.32	0.25	0.50	....	....	T.	−0.81	0.25	−0.5	1.25	+0.7	0.10	−0.08	0.00	−0.14	0.15	−0.15	1.49	+1.03	T.	−0.5	....	....	....	....
Beowawe	1.05	+0.28	T.	0.71	0.05	−0.61	0.79	+0.15	1.50	+0.8	1.62	+1.1	0.48	+0.23	0.00	−0.19	0.24	0.00	2.07	+1.58	0.00	−0.61	0.27	−0.56	8.07	+1.59
Carlin	....	....	....	....	....	....	....	....	1.16	−0.54	1.10	+0.7	0.47	+0.29	0.00	−0.17	0.43	+0.19	1.02	+0.64	T.	−0.5	0.06	−1.11	....	....
Clover Valley	4.59	+2.35	1.37	−0.80	0.72	−0.82	1.55	+0.53	0.18	−1.2	2.04	+1.28	0.74	+0.30	0.09	−0.51	0.39	−0.15	0.55	−0.25	0.10	−1.67	0.46	−1.03	12.69	−2.02
Dry Farm	2.99	....	0.83	....	0.74	....	2.67	....	2.00	....	1.78	....	0.37	....	0.37	....	0.49	....	1.19	....	T.	....	0.19	....	13.62	....
Elko	2.56	+1.28	0.69	−0.25	0.23	−0.89	1.25	+0.73	0.66	−0.1	1.32	+0.72	0.43	+0.09	0.00	−0.28	0.93	+0.65	1.25	+0.73	T.	−0.6	0.64	−0.45	9.96	+1.54
Eureka	1.88	+0.33	1.45	−0.23	0.46	−1.69	3.57	+2.40	1.56	+0.08	2.98	+2.04	1.49	+0.62	0.23	−0.48	0.70	+0.02	0.54	−0.30	T.	−0.7	0.15	−0.82	15.01	+1.70
Golconda	0.89	+0.16	0.19	−0.38	0.04	−0.53	0.70	+0.10	0.25	−0.51	1.28	+0.72	0.50	+0.30	0.00	−0.09	0.53	+0.23	0.33	−0.14	0.00	−0.39	0.55	−0.28	5.26	−0.81
Halleck	1.25	+0.22	0.30	−0.64	0.60	−0.37	....	....	0.61	−0.38	2.40	+1.82	T.	−0.25	....	....	0.01	−0.26	1.16	+0.65	T.	−0.52	0.42	−0.68	....	....
Hylton	2.52	....	0.92	....	1.15	....	1.57	....	1.52	....	1.51	....	0.21	....	0.10	....	0.49	....	1.25	....	0.05	....	0.25	....	11.54	....
Imlay §	....	....	....	....	T.	−0.55	0.04	−0.33	0.03	−0.58	1.50	+1.28	T.	−0.16	0.00	−0.14	0.00	−0.65	0.02	−0.70	T.	−0.78	0.02	−1.09	....	....
Lovelocks	....	....	0.39	−0.04	0.00	−0.32	0.90	+0.73	0.39	+0.04	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Metropolis	1.72	....	0.53	....	0.20	....	1.19	....	0.54	....	2.22	....	0.61	....	0.72	....	....	....	....	....	....	....	....	....	....	....
North Fork	0.73	....	0.12	....	0.18	....	0.99	....	1.34	....	1.13	....	1.09	....	0.18	....	0.81	....	1.40	....	0.06	....	0.41	....	8.44	....
Paradise Valley	....	....	....	....	....	....	....	....	....	....	1.37	....	0.22	....	T.	....	0.30	....	1.52	....	0.02	....	0.57	....	....	....
Potts	0.20	−0.33	0.03	−0.63	0.07	−0.76	0.55	−0.16	0.19	−0.92	0.50	+0.10	0.14	−0.51	0.08	−0.49	0.03	−0.27	0.02	−0.31	0.00	−0.39	0.05	−0.41	1.86	−5.08
Rochester	6.14	....	....	....	....	....	2.15	....	1.10	....	1.62	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Shafter §	....	....	....	....	0.85	+0.01	0.30	−0.46	0.69	−0.17	1.16	+0.52	0.68	+0.37	0.10	−0.10	0.62	+0.30	0.78	+0.36	T.	−0.66	0.20	−1.08	....	....
Tecoma	0.15	−0.47	0.06	−0.49	0.05	−0.35	0.15	−0.43	0.09	−0.57	0.82	+0.24	1.14	+0.95	0.15	−0.08	1.50	+1.12	0.00	−0.44	0.00	−0.40	0.25	−0.30	4.36	−1.22
Wells	1.40	+0.02	0.50	−0.68	0.73	−0.47	0.05	−0.60	0.00	−0.93	1.17	+0.62	0.59	+0.32	0.13	−0.12	1.19	+1.00	0.99	+0.36	0.14	−0.61	0.50	−0.64	7.39	−1.73
Winnemucca	1.99	−0.95	0.51	0.42	0.08	−0.87	1.32	+0.44	0.48	−0.55	2.17	+1.53	0.19	+0.02	T.	−0.17	0.48	+0.14	0.63	+0.11	0.02	−0.72	0.57	−0.42	8.44	+0.04
Truckee basin.																										
Fernley	4.62	+3.82	0.78	+0.21	0.00	−0.41	1.00	+0.65	0.05	−0.47	0.30	+0.08	0.32	+0.08	0.05	−0.13	0.01	−0.17	0.10	−0.19	0.00	−0.36	0.22	−0.30	7.45	+2.81
Glenbrook	11.75	....	1.18	....	0.00	....	1.10	....	....	....	....	....	....	....	....	....	....	....	2.00	....	0.10	....	0.80	....	....	....
Lewers Ranch	8.80	+3.51	0.70	−2.95	T.	−3.92	2.70	+1.31	0.18	−1.42	0.84	+0.40	0.00	−0.22	0.00	−0.36	0.38	−0.29	1.10	−0.18	0.02	−3.08	2.10	−1.81	16.82	−9.01
Marlette Lake	15.86	....	3.26	....	0.05	....	2.14	....	0.43	....	0.86	....	0.00	....	0.00	....	0.05	....	0.94	....	0.00	....	2.28	....	25.87	....
Reno	5.46	+3.51	0.86	−0.93	T.	−1.22	0.70	+0.09	0.11	−0.68	0.29	−0.05	T.	−0.14	0.38	+0.13	0.05	−0.22	0.16	−0.25	T.	−1.09	0.70	−0.97	8.71	−1.72
Carson basin.																										
Fallon	2.28	+1.66	0.42	−0.21	0.00	−0.48	0.25	−0.10	0.04	−0.66	0.56	+0.28	T.	−0.18	0.00	−0.12	0.07	−0.12	0.13	−0.28	0.00	−0.28	0.27	−0.31	4.02	−0.80
Gardnerville	6.78	+4.29	2.34	+0.80	0.00	−1.41	1.48	+0.87	T.	−0.67	0.12	−0.14	T.	−0.33	0.45	+0.25	0.00	−0.23	0.38	−0.08	0.00	−1.57	0.61	−1.44	12.16	+0.34
Lahontan	3.05	....	0.20	....	0.00	....	0.45	....	0.10	....	0.32	....	0.09	....	T.	....	T.	....	0.06	....	0.00	....	0.42	....	4.69	....
Walker basin.																										
Mina §	2.34	+2.02	0.53	+0.25	0.00	−0.24	0.47	+0.21	0.35	−0.39	0.69	+0.45	1.58	+1.27	0.18	−0.23	0.00	−0.31	0.14	−0.14	0.00	−0.17	0.20	−0.22	6.48	+2.50
Smith	6.90	....	1.00	....	0.00	....	1.58	....	0.09	....	0.85	....	0.58	....	T.	....	T.	....	T.	....	0.00	....	0.60	....	11.60	....
Thorne §	....	....	....	....	....	....	1.00	+0.71	0.00	−0.37	0.40	+0.16	T.	−0.17	....	....	....	....	0.02	−0.21	0.00	−0.34	0.20	−0.20	....	....
Yerington §	3.50	+2.91	0.54	+0.07	0.00	−0.45	0.85	+0.63	0.17	−0.25	0.58	+0.21	0.21	+0.07	T.	−0.20	0.03	−0.23	0.02	−0.18	0.00	−0.38	0.29	−0.19	6.19	+2.01
Colorado basin.																										
Caliente	3.25	+2.24	0.29	−0.95	0.20	−1.21	0.32	−0.65	0.01	−0.32	0.01	−0.67	0.10	−1.34	0.02	−0.48	0.10	−0.37	0.00	−0.50	0.00	−0.47	0.24	−1.40	4.54	−6.12
Indian Springs	0.90	....	0.24	....	0.00	....	1.77	....	0.00	....	0.20	....	0.24	....	....	....	....	....	....	....	0.00	....	0.55	....	....	....
Lake Valley	....	....	....	....	....	....	....	....	....	....	....	....	1.13	....	T.	....	0.17	....	0.20	....	0.00	....	0.80	....	....	....
Las Vegas	1.05	+0.56	0.65	+0.11	0.02	−0.19	0.75	+0.43	0.00	−0.06	0.45	+0.31	1.40	+1.03	0.07	−0.50	T.	−0.33	T.	−0.25	0.00	−0.33	0.59	+0.24	4.98	+1.02
Logan §	1.64	+0.74	0.99	+0.35	0.13	−0.59	1.48	+1.32	0.00	−0.10	0.08	−0.02	0.20	−0.08	0.00	−0.44	0.24	−0.21	0.03	−0.65	0.00	−0.48	1.17	+0.71	5.96	+0.55
Minor basins.																										
Cherry Creek	3.23	....	0.85	....	0.31	....	2.54	....	1.16	....	2.31	....	1.26	....	0.77	....	0.47	....	0.39	....	0.04	....	0.31	....	13.64	....
Columbia	2.37	....	1.72	....	0.01	....	1.56	....	0.45	....	1.28	....	0.40	....	0.63	....	1.79	....	0.00	....	0.04	....	0.37	....	10.62	....
Gerlach	0.99	....	0.68	....	T.	....	0.87	....	0.63	....	0.36	....	....	....	....	....	0.13	....	0.04	....	T.	....	0.11	....	....	....
Geyser	3.06	....	1.01	....	0.16	....	0.39	....	0.10	....	0.21	....	0.13	....	0.07	....	....	....	....	....	....	....	....	....	....	....
Jean	1.50	....	0.05	....	T.	....	1.25	....	0.00	....	T.	....	0.03	....	0.00	....	0.65	....	....	....	....	....	....	....	....	....
Jungo	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	0.00	....	0.57	....	....	....
Leeland	1.13	....	0.34	....	0.00	....	0.90	....	0.00	....	0.60	....	0.30	....	0.10	....	....	....	....	....	....	....	....	....	....	....
Lida §	4.23	+2.30	2.06	+0.18	0.00	−2.67	1.15	−0.11	T.	−1.58	1.14	+0.48	0.30	−0.97	0.21	−2.93	0.17	−0.58	T.	−1.04	T.	−0.99	0.63	−0.77	9.89	−8.68
McDermitt	1.85	+0.12	0.30	−1.05	0.25	−0.98	0.99	−0.53	0.55	−1.07	1.92	+1.10	T.	−0.30	T.	−0.15	0.28	−0.06	0.74	−0.16	0.08	−0.81	0.77	−0.55	7.73	−4.44
McGill §	2.13	+1.10	0.36	−0.69	0.08	−1.47	1.48	+0.34	0.37	−0.97	3.08	+2.62	0.72	+0.10	0.09	−0.99	0.08	−0.57	0.05	−0.67	T.	−0.78	0.19	−0.92	8.63	−2.90
Millett	1.74	....	0.87	....	0.25	....	0.42	....	0.35	....	0.72	....	1.21	....	0.34	....	0.85	....	0.25	....	0.00	....	0.06	....	7.06	....
Oasis Ranch §	3.20	+2.45	0.95	+0.28	0.00	−0.37	0.76	+0.29	0.67	+0.04	0.62	+0.33	0.84	+0.38	0.02	−0.54	0.22	−0.15	T.	−0.31	T.	−0.36	0.11	−0.42	7.39	+1.62
Pahrump	....	....	....	....	0.14	....	1.56	....	T.	....	0.09	....	....	....	0.02	....	0.42	....	0.05	....	0.00	....	1.01	....	....	....
Quinn River Ranch	1.86	+0.67	0.08	−0.56	0.00	−0.85	0.71	+0.35	0.60	+0.13	0.66	+0.13	0.15	−0.03	0.00	−0.18	0.15	−0.19	0.00	−0.49	T.	−0.56	0.35	−0.50	4.56	−2.08
Rebel Creek	2.36	....	0.64	....	0.10	....	1.77	....	0.68	....	3.91	....	0.40	....	T.	....	1.15	....	0.41	....	T.	....	1.02	....	12.44	....
Rhyolite	3.05	....	1.70	....	0.02	....	2.11	....	0.15	....	1.02	....	....	....	....	....	....	....	0.00	....	0.00	....	1.17	....	....	....
Sand Pass	....	....	0.54	....	0.00	....	0.73	....	0.64	....	0.64	....	0.44	....	....	....	....	....	0.15	....	0.01	....	0.04	....	....	....
Searchlight	2.00	....	2.57	....	0.25	....	1.79	....	T.	....	0.48	....	1.10	....	0.42	....	0.82	....	0.22	....	0.02	....	0.51	....	10.18	....
Sharp	....	....	....	....	....	....	....	....	T.	....	0.69	....	1.70	....	0.20	....	0.35	....	0.30	....	0.00	....	1.38	....	....	....
Sulphur	....	....	....	....	....	....	....	....	....	....	....	....	....	....	0.08	....	0.19	....	0.00	....	....	....	....	....	....	....
Tonopah	1.11	....	0.59	....	0.00	....	0.50	....	0.28	....	0.58	....	0.59	....	0.02	....	0.27	....	0.00	....	0.00	....	0.52	....	4.46	....
Vya	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	0.21	....	....	....

The departures from normal precipitation are computed only for such stations as have ten or more years of record. § Normals based on data from nearby stations with long records. T. Precipitation is less than 0.01 inch rain or melted snow.

Monthly and annual mean temperatures for the year, 1914, with departures from the normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Annual.	
	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.
Columbia basin.																										
Gold Creek	26.8		22.4		30.2		38.0		[d]47.8		51.0		62.0		62.2		53.3		41.0		31.9		15.6		40.4	
Owyhee			31.7		42.2		49.2		59.2		59.0		68.2		67.4		55.7				37.6		16.8			
San Jacinto	29.6	+3.3			37.0	0.8	45.0	+0.7	[f]50.3	1.5	57.2	0.2	66.2	+0.8	62.8	0.4	56.2	2.0	50.2	6.6	35.4	1.9	17.6	[illegible]		
Humboldt basin.																										
Austin															69.8	1.7	58.3	0.8	49.6	0.1	42.2	3.2	21.6	6.0		
Battle Mountain	31.6	+5.8	42.9	+10.5			50.2	+0.6	62.8	+6.2	61.2	1.7	76.2	1.3	77.0	3.6	61.1	+2.0	54.4	4.7	41.2	3.8	24.4	6.5		
Beowawe	33.4	+6.2	34.3	+3.2	42.8	+2.0	45.8	3.1	61.6	+4.1	58.6	8.6	68.2	7.3	66.7	7.2	55.1	6.7	52.0	2.5	37.0	0.5	20.6	8.9	48.0	1.9
Carlin									60.3	+7.1	58.8	3.9	67.4	4.1	65.1	3.6	55.4	2.3	49.4	1.9	34.9	0.7	19.4	6.8		
Clover Valley	30.6	+5.5	28.6	0.4	39.6	+3.1	45.4	+0.7	53.3	+2.1	57.1	1.7	67.0	+0.5	66.3	+0.8	57.0	0.6	49.6	2.5	40.2	3.4	20.4	6.7	46.3	0.8
Dry Farm	30.5		29.9		39.2		44.6		54.4		57.2		68.8		64.1		[g]57.3		[e]52.2		41.8		21.9		46.8	
Elko	30.9	+7.9	28.4	0.3	38.9	+2.0	44.6	0.1	57.6	4.0	56.6	6.1	70.8	+0.6	68.2	+2.4	56.4	0.5	48.9	+3.9	34.8	0.4	16.8	10.3	46.4	0.3
Eureka	32.0	+4.4	30.2	+0.5	41.6	+4.6	45.6	+0.4	55.4	+1.3	59.1	-1.7	68.4	2.3	70.2	0.6	60.1	1.2	51.2	+2.1	45.4	4.1	25.0	6.0	48.5	0.8
Golconda	34.4	+4.9	37.0	+3.3	44.2	+3.7	46.8	-1.2	61.0	+5.6	62.8	2.8	75.2	+0.7	71.8	+0.6	59.0	0.7	50.8	+1.3	38.6	0.8	19.9	11.0	50.4	0.3
Halleck	24.9	+2.4	25.0	-0.2	36.2	+1.6	42.8	0.9	58.5	+6.3	56.7	4.9	71.6	+1.4					[d]45.8	+2.0	37.2	4.2	15.2	8.8		
Imlay §					44.6	+4.4	49.4	0.3	57.9	+2.7	58.4	8.5	76.8	+1.0	72.0	0.9	57.3	3.9	50.9	+0.3	36.4	3.5	19.8	12.0		
Lovelocks			[g]54.2	+4.5	45.6	+2.0	[e]50.2	-1.0	[d]60.4	+0.7																
Metropolis	26.3		23.8		35.6		45.0		56.0		59.0		71.0		69.2											
Paradise Valley													68.8		67.6		56.0		49.2		36.8		19.3			
Potts	28.2	+3.7	24.8	-2.3	38.2	+4.9	43.0	-0.5	53.2	+2.2	56.8	-5.0	65.5	-4.1	65.0	2.8	52.6	2.8	46.4	+2.2	35.3	+1.3	20.2	4.1	44.1	0.6
Rochester	31.6						43.3		57.0		58.3															
Shafter §					37.5	+2.7	44.2	+1.7	52.0	-3.0	56.0	-8.4	65.8	-8.9	64.0	-9.3	52.6	-7.9	47.6	-1.6	29.8	6.1	12.6	23.0		
Tecoma	25.0	+2.1	28.2	+1.5	37.4	+0.2	45.2	-1.6	52.9	-1.1	58.2	-4.6	65.6	-6.7	63.8	-7.0	55.3	3.9	49.8	3.8	32.2	2.0	23.2	2.0	44.7	1.8
Wells	30.9	+7.8	29.0	+3.0	39.0	+3.6	43.2	1.8	53.5	+1.1	57.6	-6.6	73.6	+3.1	68.6	+0.3	54.6	3.0	49.1	+3.5	36.4	2.7	12.8	11.4	45.7	0.2
Winnemucca	31.6	+5.8	36.4	+3.1	44.6	+5.0	48.6	+1.5	59.4	+5.0	61.2	-2.1	72.0	+0.4	70.6	-0.2	57.8	-2.7	50.2	+1.6	37.8	0.3	18.9	11.8	49.3	0.5
Truckee basin.																										
Fernley	35.1	+2.9	36.8	+0.6	45.4	3.6	50.2	0.0	61.3	+3.9	63.8	-2.2	73.8	-2.9	74.2	-0.2	62.6	-0.1	51.3	+1.1	40.4	+0.5	25.5	6.4	51.7	0.1
Glenbrook	31.0		31.2		38.2		38.9												46.0		41.2		26.4			
Lewers Ranch	33.6	+0.4	35.4	-0.2	46.8	+6.6	46.6	-0.2	56.3	-3.3	58.6	-1.4	67.0	-1.0	69.2	+1.3	59.4	0.9	51.4	+0.4	43.8	+1.0	25.6	8.4	49.5	0.4
Reno	35.4	+2.9	37.8	+2.2	46.8	+5.8	49.0	+1.7	58.8	+5.2	61.6	+0.6	70.6	+3.1	71.2	+4.2	60.5	+0.8	51.8	+2.1	43.4	+2.4	26.8	6.9	51.1	2.0
Carson basin.																										
Fallon	37.2	+6.4	38.4	+2.3	46.2	+4.9	50.8	+0.8	61.4	5.7	63.8	0.8	73.4	-0.1	72.9	+0.9	61.6	+0.7	52.3	-1.6	39.6	-0.1	26.1	-5.9	52.0	1.4
Gardnerville	[d]35.2	+4.2	[f]38.0	+2.0	45.6	+3.6	[d]49.4	+0.8	[e]55.6	+2.1	[f]58.6	-2.7	[f]65.3	-2.3	[i]64.6	-3.0	[g]58.9	-1.8	[f]50.8	+0.1	[f]39.8	3.0	[h]24.6	7.6	48.9	0.6
Lahontan §	36.6		40.1		50.0		52.9		65.4		67.8		79.0		79.2		66.4		56.0		45.5		28.6		55.6	
Walker basin.																										
Mina §	38.6	+4.7	38.7	-0.4	48.2	+3.9	51.9	+0.5	62.3	+3.5	66.6	-3.0	79.0	+1.4	78.2	+2.2	65.9	0.2	55.1	+2.1	46.4	+2.7	29.8	-5.0	55.1	-1.0
Thorne §							51.4	+0.8	62.0	+2.4	65.4	-2.9	75.6	-0.8									31.6	-4.4		
Yerington	34.8	+2.1	36.9	+0.1	45.1	+2.7	49.6	+0.2	59.0	+3.7	61.7	-2.6	69.4	-2.1	69.8	-0.3	58.8	-1.0	49.6	+0.9	37.7	-1.3	24.2	-7.5	49.7	-0.4
Colorado basin.																										
Caliente	30.5	+3.2	34.4	+0.9	47.4	+7.8			54.8	+0.4	61.4	-4.5	74.4	+2.6	71.8	+9.0			[h]46.1	4.3	40.9	+3.2	33.8	-2.5		
Indian Springs	42.2		44.4		54.6		59.4		69.0		72.4		83.1								49.2		36.1			
Lake Valley													67.2		67.6		58.6		48.2		36.4		17.7			
Las Vegas	46.9	+5.1	49.2	+4.0	59.6	+8.2	63.3	+3.5	72.4	+5.5	79.0	+3.3	84.4	+2.7	84.7	+4.7	77.6	+5.4	65.8	+5.2	56.2	+6.7	41.8	+0.8	65.1	+4.6
Logan §	48.0	+5.3	49.2	+0.4	60.2	+5.2	65.0	+1.1	73.8	+2.4	80.0	-1.2	86.8	-0.3	85.4	-0.7	77.8	+0.8	67.6	+2.1	57.0	+4.0	43.2	+0.1	66.2	+1.6
Minor basins.																										
Cherry Creek	30.3		27.8		40.6		45.0		55.0		59.2		70.0		71.8		61.4		49.8		38.8		21.0		47.6	
Columbia	35.3		36.4		45.8		49.3		59.2		63.0		71.2		73.0		63.5		53.6		43.8		25.2		51.6	
Gerlach	[f]32.3				47.2		50.0		59.8		65.1						62.6		51.4		38.7		20.2			
Geyser	17.0		24.9		36.6		39.2		49.6		51.2		64.4		60.3											
Jean	47.9		49.8		60.4		59.8		73.1		81.0		90.8		93.6		78.2									
Leeland	46.4		48.0		58.0		63.3		72.4		78.2		87.7		89.8											
Lida §	33.6	+3.9	35.8	+3.2	44.5	+7.9	46.8	+3.1	56.8	+6.2	61.4	+2.2	68.0	+1.5	68.6	+3.6	60.1	+3.5	50.2	+3.6	41.0	+2.9	21.6	-9.3	49.0	+2.7
McDermitt	31.6	+4.5	33.2	+2.5	43.8	+5.7	46.4	+1.0	57.2	+3.6	58.6	-6.4	69.3	-4.4	70.0	-2.3	55.8	-5.2	45.6	-3.2	38.8	+1.3	20.6	-11.2	47.6	+1.2
McGill §	32.8	+7.2	32.8	+4.3	43.4	+9.4	46.0	+3.0	57.4	+6.4	61.4	-4.6	71.4	+3.2	71.4	+6.5	62.8	+7.3	51.4	+7.0	42.4	+6.9	22.6	-4.8	49.6	+4.3
Millett	32.8		35.8		42.2		47.1		55.8		59.5		67.6		67.2		54.6		42.7				[h]21.2			
Oasis Ranch §	36.8	+6.6	36.4	+1.5	46.3	+5.6	51.8	+2.8	61.0	+5.8	64.0	+1.9	71.0	+2.6	70.0	+2.7	60.2	+0.9	51.4	+2.6	40.7	+3.1	23.6	-3.7	51.1	+2.7
Pahrump					56.4		59.6		67.2						82.2		75.0		63.7		54.4		37.4			
Quinn River Ranch	32.4	+5.8	[g]34.0	+3.9	44.0	+3.7	47.4	+1.3	[n]57.5	+3.9	[h]62.1	+1.0	[g]70.4	+1.6	68.9	+1.8	58.4	+1.4	48.4	+1.2	[f]35.9	-2.4	[g]16.0	-12.9	48.0	+0.9
Rebel Creek	35.2		36.1		44.6		48.2		58.7		59.6		72.2		72.0		60.7		53.8		43.0		21.4		50.5	
Rhyolite	43.6		46.4		56.0		57.4		67.2		72.2								[g]66.6		58.0					
Sand Pass					48.0		50.6		62.0		65.0		74.8						53.5		40.6		23.8			
Searchlight	45.2		47.2		57.0		60.6		69.2		76.2		82.0		83.4		74.6		65.8		59.4		39.4		63.3	
Sharp									57.8		60.7		69.5		71.6		62.1		49.9		40.6		21.6			
Tonopah	34.2		36.0		46.4		47.4		58.8		62.2		72.0		73.4		61.8		53.2		46.6		24.8		51.4	

The departures from normal temperature are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normal based on data from nearby stations with long records.

Reference letters [a], [b], [c], appearing in the table indicate number of days missing; for example, [b] represents two days missing, etc.

Monthly maximum temperatures for the year, 1914, with dates.

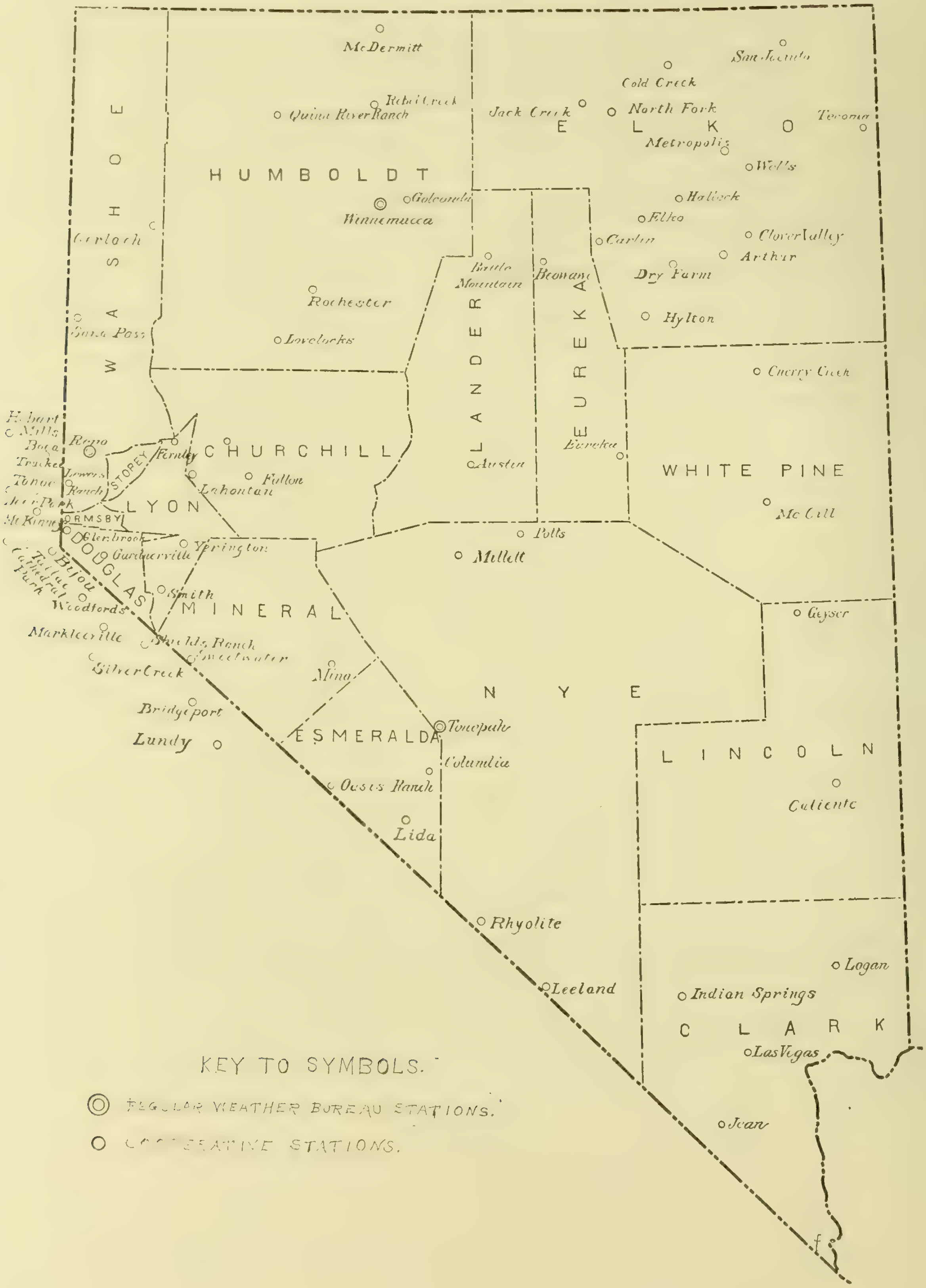
Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.
Columbia basin.																								
Gold Creek	15	5	42	10*	53	17	62	20	72	22	83	18*	86	13*	98	5	80	2	71	14	64	4*	48	31
Owyhee	....	....	57	9*	71	22	83	14	92	20	102	17	91	20*	95	13	83	24	....	....	70	11	47	3
San Jacinto	46	4*	....	....	61	17	68	15	76	31	93	19	93	6*	90	15*	86	3	80	7	68	3	46	5
Humboldt basin.																								
Austin	....	....	....	....	....	....	....	....	....	....	....	....	....	....	95	6	82	1*	76	14	70	4	49	31
Battle Mountain	60	30*	63	1	....	....	78	16	92	31	102	29	101	15*	107	13	95	1	84	1*	78	5	57	2
Beowawe	52	24	61	28	68	7*	74	14	83	31	91	18	91	30*	93	12	90	2	83	2*	67	5	50	3
Carlin	....	....	....	....	....	....	....	....	103	30	94	19	93	2	94	12*	90	3	82	1	72	4*	50	3*
Clover Valley	57	5	57	28	64	17	72	19	82	30*	87	29	90	8	92	14	82	2*	75	13	75	5	47	4
Dry Farm	50	5*	51	28	61	14*	69	14*	82	30	87	18*	89	8*	92	5*	82	2	80	12	69	4	45	25
Elko	59	2	64	28	71	14	82	15	94	31	93	29	97	28	99	13	87	2	76	1*	67	5	47	4
Eureka	55	6	55	28	66	8*	75	19	83	30	92	29	91	18	96	5	85	19	78	14	71	4	53	31
Golconda	52	7*	54	26	69	8	68	18	87	29	95	18	94	24*	99	13	89	3	78	1	67	5*	48	1
Halleck	45	8	50	28	66	15*	72	14	86	7	90	28	93	16	....	....	....	....	76	16	68	2*	51	2*
Imlay	....	....	....	....	69	8*	71	3*	93	31	95	29	96	20*	100	12	88	24*	83	14	69	2	49	3
Lovelocks	....	....	74	23	76	5	77	14*	85	21	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Metropolis	42	1*	47	28	54	18*	67	14	85	30	92	18	96	29	98	13*	....	....	....	....	....	....	....	....
Paradise Valley	....	....	....	....	....	....	....	....	....	....	....	....	96	29	100	13	88	2	81	14	69	5	45	1
Potts	48	6	49	28	60	17	70	14*	86	30	94	29	93	17	94	4*	83	1	73	26	66	2	48	1*
Rochester	55	6	....	....	....	....	69	14*	82	30	90	28	....	....	....	....	....	....	....	....	....	....	....	....
Shafter	....	....	....	....	61	14*	73	19	84	30	92	29	90	12*	95	6	84	2	72	16	68	5	43	4
Tecoma	53	8	51	15*	65	10*	73	20*	89	31	96	30	97	1	100	6*	90	2	83	2	68	1	61	3
Wells	45	1*	60	15*	63	18	73	19	88	30	90	18*	93	13	93	7	84	1	72	1	70	2	54	4
Winnemucca	53	24	62	28	74	17	75	14	92	30	95	18	96	19	100	13	89	1	83	14	71	5	48	1
Truckee basin.																								
Fernley	59	1	64	28	77	17	79	14	95	30	99	17	99	29	103	5*	93	1	87	15	76	5	52	1
Glenbrook	50	6	47	10	65	19	57	19	....	....	....	....	....	....	....	....	....	....	70	1*	62	2	46	31
Lewers Ranch	59	5*	61	28	76	17	79	18	84	29*	89	28	91	14*	98	12	88	1	80	14	71	4	56	26
Reno	63	6	63	28	74	17	77	18	88	30	95	28	94	31	98	5	87	23	80	15	76	4	50	1
Carson basin.																								
Fallon	58	1*	68	28	72	17*	78	14	92	30	97	29	97	26	102	5	89	1*	83	15	75	5	53	2
Gardnerville	61	7	61	28	71	13*	75	18	80	29	86	17*	89	16	90	5*	81	23	77	14	70	5	55	29
Lahontan	59	1	67	28	73	8*	79	14	95	30	100	28	100	18	105	5	92	1*	83	14*	76	5	53	2
Walker basin.																								
Mina	58	12	65	28	78	19	80	14	91	29	98	29	96	2*	102	5	91	1	86	7	76	4	65	3
Thorne	....	....	....	....	....	....	83	12	87	7*	98	18*	98	2*	....	....	....	....	....	....	....	....	64	1
Yerington	58	1	62	28	70	17	77	19	85	30	91	17	91	2*	98	5	84	1	78	14	72	5	51	2*
Colorado basin.																								
Caliente	50	1*	55	19	82	24	....	....	80	25*	90	25*	102	6*	98	5*	....	....	72	19*	70	8	58	10
Indian Springs	60	5	64	11	82	14	88	15	97	29	105	29	103	2*	....	....	....	....	....	....	74	1	66	1
Lake Valley	....	....	....	....	....	....	....	....	....	....	....	....	92	1	96	4	85	5*	73	1	70	4	44	2
Las Vegas	69	8	75	28	86	15	102	19	103	29	110	29	107	8	110	3*	102	18*	91	14	85	3*	67	4
Logan	87	1	79	22	87	15	95	14	106	29	112	28	111	7	113	4	103	18*	92	1*	88	2	69	4
Minor basins.																								
Cherry Creek	54	7	53	28	62	14	73	19	83	30	96	29	94	13	98	5	86	4	74	16	70	4	52	31
Columbia	59	5	64	28	72	17	78	14*	84	30	96	30	100	15	100	5	87	11	78	14	72	4	48	30
Gerlach	52	24	....	....	75	16	78	19	93	30	97	17	....	....	....	....	91	1	82	14	71	5	45	1*
Geyser	40	20	60	28	70	15	74	7	84	11*	89	11*	101	26*	101	6	....	....	....	....	....	....	....	....
Jean	67	10*	70	27*	81	27	90	15*	98	24*	106	29	107	9	110	10*	99	1*	....	....	....	....	....	....
Leeland	72	5	72	28	86	18	89	2	111	21	114	14	118	17	122	12*	....	....	....	....	....	....	....	....
Lida	56	5	59	27	68	15*	72	14	80	29*	95	15	88	1	92	5*	80	1*	71	26	70	4	40	31
McDermitt	51	5*	57	28	71	17	72	14	89	30	91	18	94	31	98	13	87	24	82	14	67	5	46	2
McGill	55	5*	58	28	66	14	74	14	84	29*	94	29	92	7*	96	4	86	5	79	1	72	4	54	31
Millett	53	1*	62	28	68	8*	78	20	85	29	93	29	90	1*	98	5	83	11	64	2*	....	....	53	16*
Oasis Ranch	55	6*	63	28	72	17*	81	20	89	29	97	30	97	1	97	5	85	3*	76	14	70	5	45	1
Pahrump	....	....	....	....	85	25	88	15	99	29	....	....	....	....	110	4*	100	12	90	5	88	3	67	1
Quinn River Ranch	57	15	59	28	75	17	76	18*	95	30	96	17*	102	29	100	2*	92	1	87	15	72	4	50	1
Rebel Creek	52	2*	59	28	72	17	72	18	91	30	92	17*	97	12	99	5	89	24	85	14	70	3*	55	2
Rhyolite	65	6	70	14	78	15*	85	20	94	29	101	29	....	....	....	....	....	....	96	14	85	5*	....	....
Sand Pass	....	....	....	....	76	17	80	19	93	30	102	28	100	1	....	....	....	....	79	13	73	5	50	1
Searchlight	61	7	66	28	76	15	87	14	94	29	102	28*	101	7	104	3	95	4	81	18	77	5	54	2*
Sharp	....	....	....	....	....	....	....	....	84	3*	95	30	93	12	96	4*	85	4*	73	1	72	4	48	30
Sulphur	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	95	1	....	....	....	....	....	....
Tonopah	52	5	57	28	65	17	73	14	81	29	92	29	90	1	94	5	80	19	73	13	68	4	42	25

* Also on other dates.

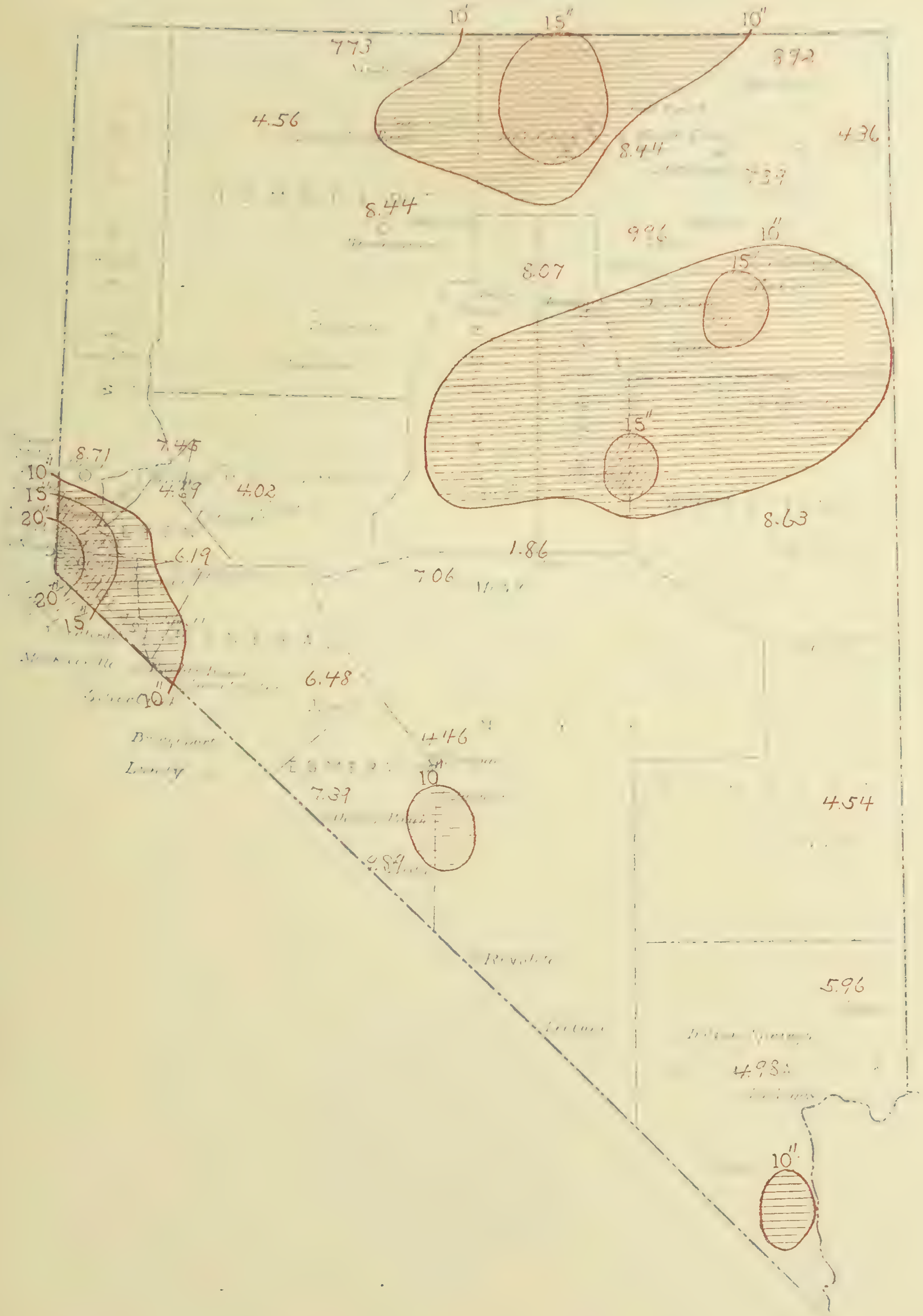
Monthly minimum temperatures for the year, 1914, with dates.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.
Columbia basin.																								
Gold Creek	12	10	15	3*	5	12	19	16*	21	5	18	6	35	22	35	18*	19	21	23	4	5	20	[illegible]	[illegible]
Owyhee	...	...	3	6	17	2	16	17	23	5	22	6	39	22	35	17	21	13	.		8	15*	21	14
San Jacinto	1	9	..	...	12	21	26	7	28	1*	31	6*	39	22	33	18	24	9	21	25	4	13	[illegible]	21
Humboldt basin.																								
Austin	...	...	...	...	...	...	...	...	...	...	...	...	...	...	43	28	26	12	22	4	13	29	3	20
Battle Mountain	10	8*	16	5	...	...	20	17	30	2	29	5	49	7	45	30*	28	8	22	3	6	20	14	14
Beowawe	11	10*	11	6	18	31	20	17	33	5	29	6	42	9	34	22	26	21	22	21*	4	20*	14	21
Carlin	...	...	...	...	...	...	...	...	28	5*	25	5	40	1*	35	30	18	12	18	3	4	20	27	21
Clover Valley	0	10*	0	6	13	3	19	17	25	5	26	6	41	5	37	29	29	9	23	4	5	15	14	21
Dry Farm	4	11	8	3	19	3*	20	28	29	5	23	6	35	21	38	17	25	13	27	4	11	30	0	22
Elko	-2	11*	-2	6	11	3*	10	17	29	3*	12	6	42	22	33	21	24	9	25	1*	1	21*	22	21
Eureka	5	10	-2	6	15	3	18	7	23	1	25	6	45	5	42	29	23	13	22	4	10	30	-7	21
Golconda	13	10	17	6	25	2*	25	1	35	1*	31	5	40	5	35	28	32	8	25	3	11	21*	-14	15
Halleck	2	10	-8	2	5	22	16	17	37	1*	29	22	46	1	...	...	...	...	24	9*	0	19	26	21
Imlay	...	...	...	...	20	26	21	17	33	27*	33	9	50	23*	45	24*	34	13	21	4	1	21	12	21
Lovelocks	...	...	15	9	16	1	21	17	31	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Metropolis	-3	10	-4	6	9	2	19	17	28	5	28	6	43	22	37	18	...	...	...	...	...	...	...	...
Paradise Valley	...	...	...	...	...	...	...	...	...	...	...	...	42	9*	34	28	19	13	22	4	5	21	14	21
Potts	-5	29	-8	2*	15	31	14	17	27	1	26	6	40	24	33	21	17	13*	16	21*	3	15	11	21
Rochester	11	28	...	...	...	...	19	16	35	24	24	5	...	...	...	...	...	...	...	...	...	...	...	...
Shafter	...	...	...	...	11	21	15	17	21	5	27	7	39	23	28	29	20	13*	18	31	11	21	-23	21
Tecoma	-25	11	-16	6	4	23	11	17	12	5	15	6	32	23	25	18	19	20	15	17	-11	22	22	17
Wells	5	10*	0	3	18	21*	18	8*	23	5	27	6	41	1	39	28	30	15	33	3*	7	21*	-16	13
Winnemucca	14	10	15	6	22	2	23	17	34	5	31	6	46	9	40	21	22	13	24	4	5	20	-10	14
Truckee basin.																								
Fernley	10	11	9	6	15	30	18	1	35	12	32	5	43	22	43	20	28	13	16	23	10	20	5	22*
Glenbrook	6	29	10	6	18	30	22	25	...	...	...	...	...	...	...	...	...	...	26	21*	23	18*	5	21
Lewers Ranch	7	28	8	7	19	2	24	24	32	5*	27	5	44	4*	40	19*	29	13	26	22	15	30	1	15*
Reno	11	28	16	2	23	2	27	1	37	26	33	5	49	4	42	20	33	13	27	22	16	20	4	21
Carson basin.																								
Fallon	13	11	17	7	20	3	24	1*	36	2	33	8	50	22	41	20	29	13	22	22	10	20*	-2	24
Gardnerville	10	20*	17	6*	19	2	22	1	33	10*	30	8	40	30	35	20	29	14	22	23*	9	20	-11	22
Lahontan	18	10	19	5	25	29	30	16	45	1*	33	3	54	21	56	17	38	12	31	21	20	29	5	20*
Walker basin.																								
Mina	14	10	11	7	19	3	24	17	31	1	32	8	48	22	48	22*	40	8*	28	4	15	29	2	15
Thorne	...	...	...	...	...	...	25	17	36	1*	35	5	50	1	...	...	...	...	...	...	...	...	0	25
Yerington	11	9*	16	6*	20	3	23	1	33	10	30	8	45	30	38	19*	29	13	20	23	4	22	-6	24
Colorado basin.																								
Caliente	10	8*	12	3	18	8	...	...	30	4*	38	2	44	29	48	17*	...	...	24	10*	2	26*	0	14*
Indian Springs	22	10	23	3*	31	3	34	17	39	1	48	7	57	22	...	...	...	...	...	...	22	29*	12	13*
Lake Valley	...	...	...	...	...	...	...	...	...	...	...	...	36	1	37	21*	25	13	22	4*	0	18	-18	21
Las Vegas	24	11	25	7	32	31	36	23	38	1*	49	9	60	6	55	31	45	15	40	5	25	22	19	15
Logan	20	10	21	7	34	4	38	23	43	1	49	8	62	5*	56	31	47	14	41	5	27	23	22	2*
Minor basins.																								
Cherry Creek	-5	10	3	3	14	3	22	17	29	1	28	6	46	5	40	29	32	21*	20	6	9	15*	-11	21
Columbia	11	10	15	2	20	3*	24	17	33	1	32	6	45	22	48	30	34	13	28	22	13	30	-3	20
Gerlach	10	23	...	...	22	28	25	17	38	3*	36	5	...	...	...	...	31	13	21	22	2	21	0	19*
Geyser	-10	1*	0	4*	5	12	5	3	10	2	10	7*	23	1	14	18*	...	...	...	...	...	...	...	...
Jean	27	23	30	11	40	23	37	21*	43	1	57	9	74	1*	79	28*	48	28	...	...	...	...	...	...
Leeland	25	10*	26	4*	30	4*	36	1	41	1	45	8	59	5	54	20*	...	...	...	...	...	...	...	...
Lida	10	20	11	6	20	31	21	1	32	1	29	6	45	22	45	24*	31	13	29	4	12	30	1	20
McDermitt	8	9	8	6	21	27	24	16*	28	4	29	5*	40	21	42	17	23	12	17	18*	10	14	-6	21
McGill	6	10*	9	2	19	3	25	17	31	1	25	6	48	22	42	29*	29	13	25	4	10	30	-6	21
Millett	3	10	8	7	12	24	18	17*	30	1*	28	6	42	13	37	21*	22	13	18	21	-4	29	-15	21
Oasis Ranch	10	10	11	15	20	14	27	11	33	1	34	6	46	22*	42	21	30	13*	27	24	7	29*	-2	14
Pahrump	...	...	...	...	27	4	36	25	34	1	40	8	...	...	51	30	50	3	38	22	19	19	14	15
Quinn River Ranch	-2	10	12	3*	20	3*	20	1	31	11	27	23	42	29	34	19	23	21	14	4*	-6	21	-18	21
Rebel Creek	14	11	12	6	22	24	25	16*	30	5	30	5*	46	20	44	18*	30	12	25	4	12	15*	-2	14*
Rhyolite	26	10*	26	10	33	30	34	22*	41	1*	39	8	...	...	...	...	...	...	43	4	32	27	...	...
Sand Pass	...	...	...	...	20	4	27	16	37	26	32	5	51	3*	...	...	...	...	25	22	10	21	-1	21
Searchlight	28	28	29	7	36	31	36	22*	41	1	47	8	63	10*	61	30	54	14	49	4	40	29	25	14
Sharp	...	...	...	...	...	...	...	...	31	1	31	6	37	10	46	22	34	14	27	4	5	30	-10	21
Sulphur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tonopah	14	28	18	6	22	2	27	17	34	1	30	5	48	21	52	28	35	13	31	22	20	30	6	20

* Also on other dates.


WASHOE
HUMBOLDT
ELKO
LANDER
EUREKA
WHITE PINE
CHURCHILL
STOREY
LYON
ORMSBY
DOUGLAS
MINERAL
ESMERALDA
NYE
LINCOLN
CLARK
McDermitt
Rebel Creek
Quinn River Ranch
Golconda
Winnemucca
Gerlach
Sand Pass
Rochester
Lovelocks
Jack Creek
Cold Creek
San Jacinto
North Fork
Tecoma
Metropolis
Wells
Halleck
Elko
Carlin
Clover Valley
Arthur
Dry Farm
Hylton
Battle Mountain
Beowawe
Cherry Creek
Eureka
Austin
McGill
Hobart Mills
Boca
Reno
Truckee
Tahoe
Lewers Ranch
Deer Park
McKinney
Glenbrook
Fernley
Fallon
Lahontan
Yerington
Gardnerville
Bijou
Tallac
Cathedral Park
Woodfords
Smith
Markleeville
Shields Ranch
Sweetwater
Silver Creek
Bridgeport
Lundy
Mina
Potts
Millett
Geyser
Tonopah
Columbia
Oasis Ranch
Lida
Caliente
Rhyolite
Leeland
Logan
Indian Springs
Las Vegas
Jean
KEY TO SYMBOLS.
◎ REGULAR WEATHER BUREAU STATIONS.
○ CO-OPERATIVE STATIONS.

Total precipitation, year 1904.



SCALE OF SHADES--Inches.

☐ Less than 10. ▤ 10 to 15. ▤ 15 to 20. ▤ 20 to 26.

Cooperative Stations and Observers.

Stations.	Observers.
Austin	Forest Service
Battle Mountain	Southern Pacific Co.
Beowawe	Southern Pacific Co.
Caliente	Salt Lake Route
Carlin	Western Pacific Co.
Cherry Creek	J. H. Leishman
Clover Valley	J. F. Wiseman
Columbia	A. Booth
Dex Farm	Walfrid Sohlman
Elko	Western Pacific Co.
Eureka	Clay Simms
Fallon	U. S. Experiment Station
Fernley	Mrs. A. G. Steele
Gardnerville	Forest Service
Gerlach	Western Pacific Co.
Geyser	Mrs. J. F. Wambolt
Golconda	Southern Pacific Co.
Gold Creek	Forest Supervisor
Halleck	Southern Pacific Co.

Stations.	Observers.
Imlay	Southern Pacific Co.
Indian Springs	Ira McFarland
Jack Creek	C. E. Butler
Jean	Salt Lake Route
Jungo	Western Pacific Co.
Lahontan	U. S. Reclamation Service
Lake Valley	Valley View Fmg. Co.
Las Vegas	C. P. Squires
Lewers Ranch	Ross Lewers
Lida	L. F. Detwiler
Logan	Experiment Farm
Lovelocks	High School
McDermitt	U. S. Indian Service
McGill	R. E. Middagh
Marlette Lake	V. & G. H. Water Co.
Metropolis	O. M. Lloyd
Millett	Fred. J. Jones
Mina	Southern Pacific Co.
Oasis Ranch	A. L. Stewart

Stations.	Observers.
Owyhee	U. S. Indian Service
Pahrump	F. A. Buol
Paradise Valley	R. M. Taylor
Potts	Miss Maud Potts
Quinn River Ranch	F. M. Payne
Rebel Creek	Mrs. E. J. Hyatt
Rhyolite	Sec'y. School Board
Sand Pass	R. R. Mott
San Jacinto	J. S. Parmley
Searchlight	C. L. A. Mahn
Shafter	Geo. Kernan
Sharp	F. A. Sears
Smith	C. M. Carter
Sulphur	Western Pacific Co.
Tecoma	Southern Pacific Co.
Thorne	Southern Pacific Co.
Vya	W. N. Lord
Wells	Southern Pacific Co.
Yerington	High School

Mountain Snowfall Observers.

Stations.	Observers.
Arthur	Isaac Woodhouse
Bijou, Calif.	Chas. Young
Bridgeport, Calif.	A. F. Scott
Cathedral Park, Calif.	Carl Fluegge
Glenbrook	C. C. Henningsen

Stations.	Observers.
Hobart Mills, Calif.	S. E. Patterson
Hylton	Chas. Toyn, sr.
Lundy, Calif.	Grace A. Kirkwood
Markleeville, Calif.	Mrs. Mary A. Thornburg
McKinney, Calif.	Fred. Jensen

Stations.	Observers.
North Fork	Chas. Pratt
Shield's Ranch, Calif.	Frank W. Chichester
Tahoe City, Calif.	Robert Watson
Tallac, Calif.	William D. Butt
Woodfords, Calif.	Grant P. Merrill

Forecast Distributors and Displaymen.

Stations.	Distributors.
Austin	U. N. & I. Telephone Co.
Elko	Postmaster
Fallon	Project Engineer

Stations.	Distributors.
Las Vegas	C. P. Squires
Lovelocks	U. N. & I. Telephone Co.
Pioche	U. N. & I. Telephone Co.

Stations.	Distributors.
Reno	Local Office, Weather Bureau
Tonopah	Local Office, Weather Bureau
Winnemucca	Local Office, Weather Bureau

Telephone Service.

Through the cooperation of the Golconda Telephone and Power Co., the Utah, Nevada and Idaho Telephone Co., and the Las Vegas Telephone and Power Co., the weather forecasts may be obtained free at all the principal telephone exchanges on the lines named.

Stack
NVE

THE
[illegible] OF ILLINOIS
MAR 1915

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

NEVADA SECTION

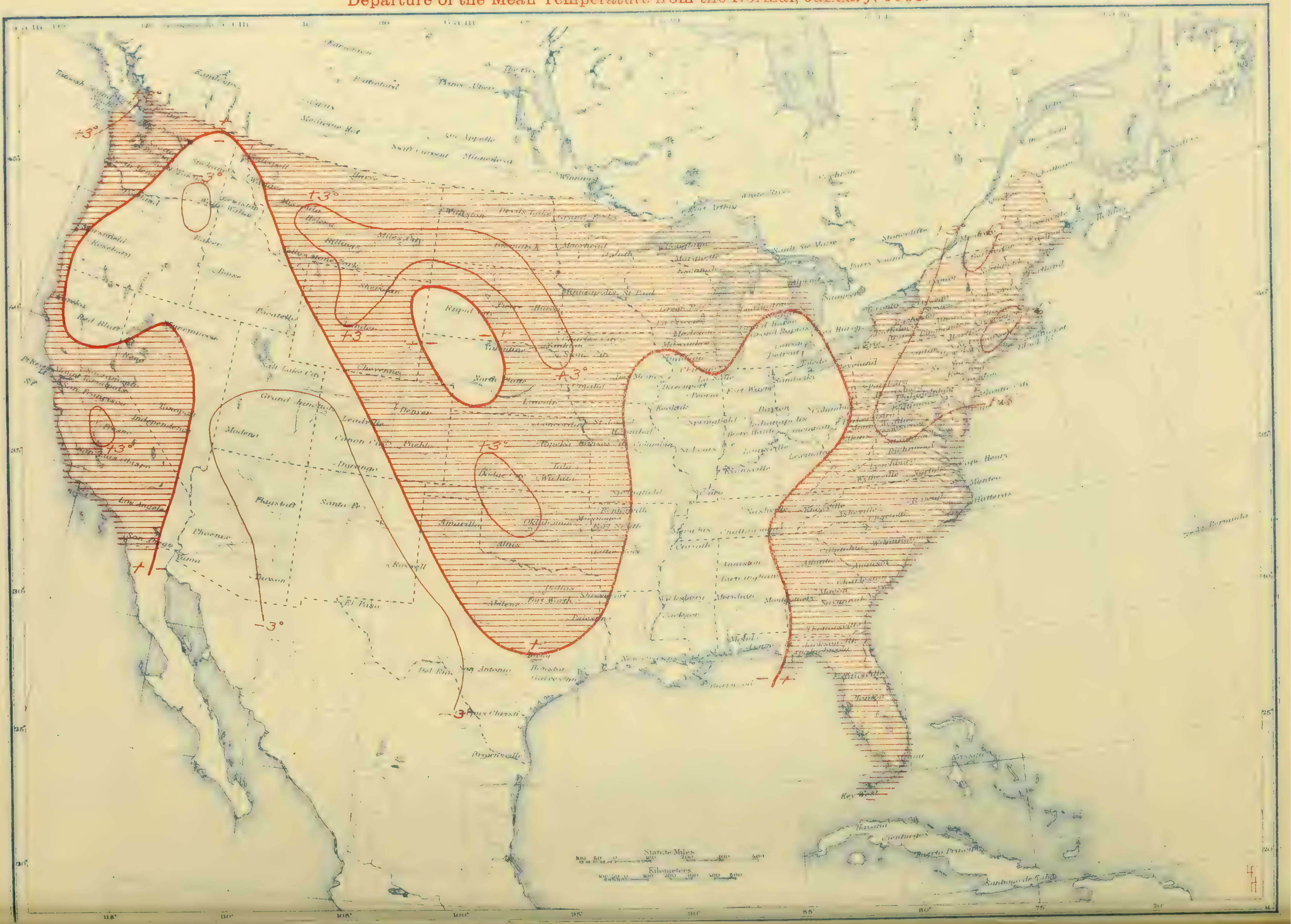
JANUARY, 1915

BY

HENRY F. ALCIATORE
SECTION DIRECTOR

RENO, NEV.
WEATHER BUREAU OFFICE
FEBRUARY 23, 1915.

Departure of the Mean Temperature from the Normal, January, 1915.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALCIATORE, Section Director.

Vol. XXX. Reno, Nevada, January, 1915. No. 1.

GENERAL SUMMARY.

January was a relatively mild month. The daily mean temperature was above the normal most of the time except during the period from the 15th to the 24th, which was unusually cold. As compared with the normal there was an excess in some localities and a deficiency in others. The extremes, 78 degrees and —25 degrees, respectively, were within the limits of previous years.

The month opened with bright, sunshiny weather. From the 3d to the 16th conditions were unsettled, with light falls of rain or snow in one part or another of the State almost daily. A week of fine weather followed. The rest of the month was generally cloudy, and precipitation occurred frequently, but the amounts were uniformly small. The average precipitation for the State was only 22 per cent of that of January, 1914, and 50 per cent below normal. There was a deficiency of 10 to 76 per cent in all basins, except the Colorado Basin, where the average exceeded the normal by 72.5 per cent. The greatest deficiency occurred in the Walker Basin. At Elko and Yerington the monthly fall was less than .01 inch. Snow fell at 45 out of 54 stations reporting. The average fall for the State was 5.0 inches, as against 34.5 inches in January, 1914. As a whole the weather was favorable to the cattle and sheep interests. (A complete report on the snowfall for January, 1915, with the usual tables, appears on page 8 of this bulletin.)

TEMPERATURE.

The monthly mean for the State, as shown by the records of 46 stations, was 30.2 degrees. The mean for the 27 stations having ten or more years record was 0.5 degree above the normal. The highest recorded was 78 degrees, at Jean on the 14th; the lowest was —25 degrees at Tecoma on the 23d. The greatest daily range was 80 degrees at Tecoma on the 23d. The highest monthly mean was 47.2 degrees at Jean; the lowest was 19.9 degrees at Halleck.

PRECIPITATION.

The average for 54 stations reporting was 0.68 inch. For the 30 stations having ten or more years record, the mean was 0.68 inch below the normal. The average amount at 3 stations in the Columbia Basin was 0.87 inch; at 18 stations in the Humboldt Basin, 0.46 inch; at 8 stations in the Truckee Basin, 2.02 inches; at 4 stations in the Carson Basin, 1.02 inches; at 6 stations in the Walker Basin, 0.40 inch; at 3 stations in the Colorado Basin, 1.38 inches; at 18 stations in the minor basins, 0.75 inch. The greatest monthly fall was 2.46 inches at Searchlight; the least was a trace at Elko and Yerington. The average number of days with precipitation for the State was 4.

SUNSHINE AND CLOUDINESS.

At Reno 56 per cent of the possible sunshine was recorded; at Winnemucca, 57 per cent; at Tonopah, 61 per cent. For the State, the average number of clear days was 13; partly cloudy, 7; cloudy, 11.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Mean barometric pressure (sea level).	Mean relative humidity (per cent).			Wind.			
		5 a. m.	5 p. m.	Mean.	Average hourly velocity.	Maximum velocity.		
						Miles per hour.	Direction.	Date.
Reno	30.06	82	51	68	5.0	39	[illegible]	11
Winnemucca	30.09	81	66	75	6.9	35	nw.	11
Tonopah	30.08	71	57	64	10.1	40	s.	14

MISCELLANEOUS PHENOMENA.

Lunar Halos.—(Dates.) 2d, 3d, 20th, 21st, 23d, 24th, 26th, 27th, 28th.

Dense Fog.—(Dates.) 27th, 28th.

Brisk Winds.—(Dates.) 3d, 7th, 11th, 12th, 13th, 14th, 15th, 16th, 17th, 22d, 28th, 30th, 31st.

COMPARATIVE DATA FOR JANUARY.

Years.	Temperature.			Average precipitation.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.		With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889									
1890	20.4	73	−42	3.81	10	11	8	12	s
1891	27.6	68	−25	0.21	2	13	10	8	ne
1892	26.7	73	−25	0.53	4	16	8	7	s
1893	29.7	65	−28	1.59	4	16	5	10	s
1894	28.0	70	−30	1.42	6	10	8	13	sw
1895	25.9	61	−30	2.42	7	9	8	14	sw
1896	33.9	79	−26	1.80	6	9	8	14	sw
1897	30.2	65	−15	0.92	5	10	8	13	s
1898	20.4	63	−28	0.69	4	12	9	10	n
1899	31.8	65	−12	1.20	6	11	7	13	w
1900	35.7	71	−10	0.42	2	16	5	10	sw
1901	30.1	75	−19	1.51	5	13	6	12	sw
1902	28.4	69	−32	0.51	4	12	9	10	sw
1903	32.0	72	−16	1.81	3	16	5	10	sw
1904	27.4	71	−22	0.53	3	17	6	8	sw
1905	34.5	72	−11	0.66	3	11	8	12	s
1906	28.7	66	−15	2.31	4	13	6	12	sw
1907	27.0	73	−28	2.22	7	8	9	14	sw
1908	32.5	75	−17	0.97	5	11	9	11	w
1909	35.6	77	−16	2.47	6	9	10	12	sw
1910	22.1	70	−28	1.28	4	12	8	11	sw
1911	31.7	70	−28	2.76	8	13	6	12	s
1912	31.5	73	−29	0.53	3	12	10	9	s
1913	26.7	71	−38	0.69	4	16	6	9	w
1914	34.2	87	−25	3.06	7	10	8	13	sw
1915	30.2	78	−25	0.68	4	13	7	11	sw
Entire period	29.3	87	−42	1.42	5	12	8	11	sw

LATE REPORTS.

September, 1914.—Metropolis, total precipitation, 0.73; snowfall, 7.0; days with precipitation, 2.

October, 1914.—Metropolis, total precipitation, 0.52; snowfall, 2.0; days with precipitation, 1.

November, 1914.—Metropolis, total precipitation, trace; snowfall, none; days with precipitation, none,

December, 1914.—Metropolis, total precipitation, 0.25; snowfall, 3.0; days with precipitation, 3. Gold Creek, total precipitation, 0.47; snowfall, 2.5; days with precipitation, 4. Clover Valley, total precipitation, 0.46; snowfall, 4.5; days with precipitation, 6; clear, 8; partly cloudy, 16; cloudy, 7. Hylton, total precipitation, 0.25; snowfall, 4.0; days with precipitation, 4; clear, 8; partly cloudy, 23; cloudy, 0. Lake Valley, mean temperature, 17.7; highest, 44 on the 2d; lowest, —18 on the 21st; total precipitation, 0.80; snowfall, 8.7; days with precipitation, 3; clear, 19; partly cloudy, 7; cloudy, 5. Jungo, total precipitation, 0.57; snowfall, 6.0; days with precipitation, 4; clear, 12; partly cloudy, 7; cloudy, 12. Rhyolite, total precipitation, 1.17; snowfall, 10.8; days with precipitation, 4. Battle Mountain, total precipitation, 0.30; snowfall, 3.0; days with precipitation, 3.

Climatological data for January, 1915.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation, in inches. Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted.)	Number of days With precipitation (0.01 inch or more.)	Clear.	Partly cloudy.	Cloudy.	Prevailing direction of the wind.	Observers.
Columbia Basin.																					
Gold Creek	Elko	6,600	2	21.7	....	54	2	−15	†16	41	2	1.27	....	0.60	14.5	10	11	12	8	....	Forest Supervisor.
Jack Creek	do	6,300	....	....		....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	C. E. Butler.
Owyhee	do	5,400	4	23.4	....	49	26	−21	22	44	4	1.05	....	0.45	10.5	4	....	....	....	....	Indian Service.
San Jacinto	do	5,200	10	22.8	−3.5	48	31	−13	23	43	10	0.30	−0.32	0.20	2.5	2	10	8	13	w	J. S. Parmley.
Humboldt Basin.																					
Arthur	Elko	6,500	....	....	....	....	....	....	....	....	5	1.12	−0.17	0.60	11.0	5	....	....	....	....	Isaac Woodhouse.
Austin	Lander	6,594	26	28.8	0.0	54	2	1	21	31	26	1.26	+0.09	0.41	15.0	8	21	9	1	....	Forest Service.
Battle Mountain	do	4,513	44	33.6	+4.8	60	30	− 1	22	48	46	0.30	−0.57	0.15	1.5	4	12	0	19	....	Southern Pacific Co.
Beowawe	Eureka	4,695	44	27.4	+0.2	53	29	− 3	†21	40	46	0.25	−0.52	0.15	2.5	3	....	....	....	s	Do.
Carlin	Elko	4,896	44	24.0	+0.7	52	†4	−15	23	53	44	0.20	−0.81	0.10	2.0	2	11	10	10	....	Western Pacific Co.
Clover Valley	do	6,000	14	....	....	....	....	....	....	....	21	....	....	....	....	....	....	....	....	....	I. F. Wiseman.
Dry Farm	do	5,600	3	26.8	....	45	†1	− 3	†22	35	6	0.15	−1.64	0.06	1.0	3	11	12	8	sw	Walfrid Sohlman.
Elko	do	5,063	44	23.8	+0.8	46	30	−13	23	40	45	T.	−1.28	T.	T.	0	10	5	16	sw	Western Pacific Co.
Eureka	Eureka	6,837	17	28.4	+0.8	51	20	− 2	22	37	19	0.61	−0.94	0.15	21.0	10	9	6	16	n	Clay Simms.
Golconda	Humboldt	4,392	36	30.6	+1.1	55	30	2	22	35	38	0.42	−0.31	0.20	3.2	4	14	0	17	....	Southern Pacific Co.
Halleck	Elko	5,229	22	19.9	−2.6	48	6	−10	†8	57	46	0.10	−0.93	0.10	1.0	1	10	3	18	....	Do.
Hylton	do	7,081	....	....	....	....	....	....	....	....	5	1.14	....	0.30	11.4	7	8	12	11	....	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	2	29.8	−0.5	50	30	7	23	34	2	0.12	−0.54	0.12	T.	1	13	3	15	....	Southern Pacific Co.
Lovelocks	do	3,977	21	....	....	....	....	....	....	....	19	....	....	....	....	....	....	....	....	....	High School.
Metropolis §††	Elko	5,761	2	....	....	....	....	....	....	....	6	0.06	−1.34	0.06	1.0	1	....	....	....	....	O. M. Lloyd.
North Fork	do	6,500	....	....	....	....	....	....	....	....	6	1.13	....	0.60	10.5	5	6	7	18	w	Chas. Pratt.
Paradise Valley	Humboldt	4,500	2	26.6	....	49	30	− 9	†22	45	6	0.63	....	0.20	6.0	10	10	10	11	sw	R. M. Taylor.
Potts	Nye	6,002	22	25.0	+0.5	49	†1	− 7	17	45	24	0.06	−0.47	0.03	2.5	4	11	4	16	s	Miss Maud Potts.
Shafter §	Elko	5,583	2	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	Geo. Kernan.
Tecoma	do	4,812	37	26.2	+3.3	60	†14	−25	23	80	37	0.16	−0.46	0.10	2.0	3	9	12	10	....	Southern Pacific Co.
Wells	do	5,631	43	....	....	....	....	−19	24	....	46	0.15	−1.25	0.05	1.5	5	3	21	7	sw	Do.
Winnemucca	Humboldt	4,344	36	29.3	+0.5	48	29	1	23	35	46	0.49	−0.55	0.26	3.3	11	6	7	18	ne	U. S. Weather Bureau.
Truckee Basin.																					
Fernley	Lyon	4,150	42	31.4	−0.8	58	13	− 1	23	38	46	0.27	−0.53	0.22	0	2	18	8	5	....	Mrs. A. G. Steele.
Glenbrook	Douglas	6,240	6	29.5	....	47	†1	10	†16	29	6	1.86	....	0.75	13.0	7	11	4	16	w	C. C. Henningsen.
Lewers Ranch	Washoe	5,500	27	32.3	−0.9	52	3	7	23	34	28	1.30	−3.99	0.60	13.0	6	....	....	....	....	Ross Lewers.
Marlette Lake	do	7,900	....	....	....	....	....	....	....	....	2	2.17	....	0.58	30.0	9	10	1	20	e	V. & G. H. Water Co.
Reno	do	4,532	28	34.4	+1.9	56	1	9	23	33	28	0.55	−1.40	0.19	2.9	8	10	9	12	w	U. S. Weather Bureau.
Bijou, Cal.	Eldorado	6,230	....	....	....	....	....	....	....	....	6	2.30	....	0.59	11.5	11	9	5	17	sw	Chas. Young.
Cathedral Park, Cal. ††	do	6,400	3	35.4	....	59	†28	9	10	42	3	4.45	....	1.50	45.5	12	12	3	16	s	Carl Fluegge.
Hobart Mills, Cal.	Nevada	5,900	....	....	....	....	....	....	....	....	6	3.31	....	0.85	41.0	13	11	3	17	s	S. E. Patterson.
McKinney, Cal.	Placer	6,225	6	....	....	....	....	....	....	....	6	4.37	....	0.84	40.0	17	14	3	14	s	Fred Jensen.
Tahoe, Cal.	do	6,240	7	....	....	....	....	....	....	....	7	....	....	....	....	....	....	....	....	....	Robert Watson.
Tallac, Cal.	Eldorado	6,230	....	....	....	....	....	....	....	....	6	....	....	....	....	....	....	....	....	....	W. D. Butt.
Carson Basin.																					
Fallon	Churchill	3,965	21	31.2	+0.4	57	†11	0	23	41	21	0.11	−0.51	0.04	0	4	11	12	8	se	U.S. Experiment Station.
Gardnerville	Douglas	4,830	24	[g]31.8	+0.8	[g]53	2	[g]4	23	[g]37	25	1.22	−1.43	0.53	2.0	5	....	....	....	nw	Forest Service.
Lahontan	Churchill	4,200	3	32.4	....	52	29	12	†21	29	5	0.16	....	0.09	0	2	8	12	11	w	U.S. Reclamat'n Service.
Markleeville, Cal.	Alpine	5,525	....	....	....	....	....	....	....	....	6	2.61	....	0.78	22.0	6	12	6	13	s	Mrs. Mary Thornburg.
Woodfords, Cal.	do	5,634	....	....	....	....	....	....	....	....	6	....	....	....	....	....	....	....	....	....	Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	8	32.8	−1.1	60	4	3	22	46	19	0.25	−0.25	0.10	2.5	3	23	3	5	s	Southern Pacific Co.
Smith	Lyon	4,800	....	....	....	....	....	....	....	....	7	0.01	....	0.01	1.0	1	14	8	9	sw	C. M. Carter.
Thorne §	Mineral	4,200	2	31.4	−3.1	51	16	10	20	34	2	0.10	−0.46	0.10	1.0	1	....	....	....	....	Southern Pacific Co.
Yerington §	Lyon	4,375	6	28.6	−4.1	55	11	− 4	17	42	6	T.	−0.59	T.	T.	0	12	11	8	nw	High School.
Bridgeport, Cal.	Mono	6,500	2	22.6	....	49	1	− 8	†15	42	4	1.23	....	0.30	14.5	6	8	12	11	ne	A. F. Scott.
Lundy, Cal.	do	8,000	....	....	....	....	....	....	....	....	6	....	....	....	....	....	....	....	....	....	Mrs. Grace A. Kirkwood.
Shields Ranch, Cal.	do	5,300	....	....	....	....	....	....	....	....	6	0.77	....	0.36	3.5	4	3	16	12	....	Frank W. Chichester.
Colorado Basin.																					
Caliente §	Lincoln	4,407	5	36.0	+8.7	60	†25	0	16	48	5	0.10	−0.91	0.05	0	2	20	0	11	w	Salt Lake Route.
Indian Springs §	Clark	3,136	2	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	Ira McFarland.
Lake Valley	Lincoln	6,200	2	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	Valley View Farm'g Co.
Las Vegas	Clark	2,033	13	43.8	+2.0	66	20	17	24	40	13	1.73	+1.24	1.55	0	4	16	10	5	nw	C. P. Squires.
Logan §	do	1,355	8	44.1	+1.4	64	20	23	24	36	16	2.31	+1.41	1.56	0	6	15	8	8	....	Experiment Farm.
Minor Basins.																					
Cherry Creek	White Pine	6,450	7	27.1	....	55	1	− 1	23	42	7	0.49	....	0.10	7.1	9	10	4	17	w	J. H. Leishman.
Columbia	Esmeralda	5,700	8	30.4	....	53	2	10	†10	34	10	0.43	....	0.28	9.0	5	11	10	10	nw	A. Booth.
Gerlach	Washoe	3,931	3	27.9	....	48	30	0	23	32	3	0.85	....	0.35	1.5	7	13	8	10	n	Western Pacific Co.
Geyser §	Lincoln	6,055	11	....	....	....	....	....	....	....	11	....	....	....	....	....	....	....	....	....	Mrs. J. F. Wambolt.
Jean	Clark	2,864	7	47.2	....	78	†14	12	24	50	8	1.25	....	1.00	0	2	21	5	5	sw	Salt Lake Route.
Jungo	Humboldt	4,165	....	....	....	....	....	....	....	....	2	0.85	....	0.30	6.5	5	15	0	16	sw	Western Pacific Co.
Lida §	Esmeralda	6,037	3	26.0	....	46	1	6	23	26	3	0.80	....	0.50	6.0	3	15	11	5	se	L. F. Detwiler.
McDermit	Humboldt	4,700	25	28.4	+1.3	46	29	4	23	32	25	0.32	−1.41	0.27	3.0	2	21	6	4	sw	U. S. Indian Service.
McGill §	White Pine	6,338	5	28.4	+2.8	55	1	− 1	23	43	5	0.36	−0.67	0.11	....	6	19	8	4	s	R. E. Middagh.
Millett	Nye	5,040	7	27.6	....	52	†2	− 8	23	49	8	0.25	....	0.10	3.0	4	14	1	16	....	Fred J. Jones.
Oasis Ranch §	Esmeralda	5,106	3	29.0	−1.2	48	†16	1	23	38	3	0.50	−0.25	0.50	5.0	1	15	13	3	n	Arthur L. Stewart.
Pahrump	Nye	2,668	2	40.1	....	63	†20	14	24	44	2	1.20	....	1.00	0	3	....	....	....	....	F. A. Buol.
Quinn River Ranch ††	Humboldt	4,850	13	....	....	50	29	....	....	....	14	0.37	−0.82	0.21	1.5	3	11	2	18	w	F. M. Payne.
Rebel Creek	do	4,300	3	30.4	....	49	†11	6	†22	34	4	0.59	....	0.18	6.2	6	13	6	12	sw	Mrs. E. J. Hyatt.
Rhyolite	Nye	3,680	2	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	Secretary School Board.
Sand Pass	Washoe	4,198	2	30.7	....	51	30	5	23	32	2	0.89	....	0.41	0.7	4	11	5	15	nw	R. R. Mott.
Searchlight	Clark	3,445	2	42.4	....	63	3	25	23	22	2	2.46	....	2.23	T.	3	15	10	6	n	C. L. Aug. Mahn.
Sharp	Nye	6,200	2	26.8	....	56	2	− 2	23	46	2	0.99	....	0.50	16.0	4	12	12	7	w	F. A. Sears.
Sulphur	Humboldt	4,044	2	29.6	....	48	13	2	1	30	2	0.25	....	0.13	1.2	4	12	10	9	se	Western Pacific Co.
Tonopah	Nye	6,090	10	30.1	....	49	20	9	16	20	10	0.30	....	0.14	4.0	5	12	13	6	se	U. S. Weather Bureau.
Vya	Washoe	....	2	....	....	....	....	....	....	....	2	0.75	....	0.22	5.8	7	13	9	9	....	W. N. Lord.
For the State	....	....	....	30.2	+0.5	78	14	−25	23	80	....	0.68	−0.68	2.23	5.0	4	13	7	11	sw	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

Reference letters [a], [b], [c], appearing in the table indicate number of days missing, for example, [b] represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for January, 1915.

Stations.	Day of month																															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia Basin.																																
Gold Creek				.11	.06	.07	.06	.05	.07			.10				.60					T					.05		T			.10	1.27
Jack Creek																																
Owyhee			.20	.20		.20																							.45			1.05
San Jacinto						.10							.20																			0.30
Humboldt Basin.																																
Arthur				.10								.20		.20	.60													.60				1.70
Austin ‖‖			.02		.03	.19							T	T	T									.20		T	T		.11	.03	.55	1.13
Battle Mountain ‖‖					T			.02					.05												T		.08		.15		T	0.30
Beowawe ‖‖						.05		.15																			.05		T			0.25
Carlin				T		T	.10		.10				T												T		T	T		T	T	0.20
Clover Valley																																
Dry Farm						.05	T							.06	.04																	0.15
Elko			T			T	T					T	T	T														T		T		T
Eureka				.06		.03	T	T				.03		.07	.06										.08		.02		.03	.08	.15	0.61
Golconda							.02						.10															.20			.10	0.42
Halleck				T			.10																									0.10
Hylton				.22		.12		.20					.05	.30														.05		.20		1.14
Imlay						T		T						T												T	.12				T	0.12
Lovelocks																																
Metropolis					T	T	T	T					.06														T	T	T	T	T	0.06
North Fork			T		.06		.02					.60															.10		.35			1.13
Paradise Valley						.04		.12	.01			.02	.04	.06	.02												.09	.20	.03		T	0.63
Potts				T		.01		T				T		.01	T	T											T	.01		.03	T	0.06
Rose Creek																																
Shafter																																
Tecoma						.05							.10															T		.01		0.16
Wells									.05			.02	.02				.05											.01				0.15
Winnemucca***						.02	T	.03			T	.01	T	.04	.02										.01		.12	.14	.01	.01	.08	0.49
Truckee Basin.																																
Fernley													.05														.22					0.27
Glenbrook						T		T	.05				.01	.50										T	T	T	.25	.05		.25	.75	1.86
Lewers Ranch								*	.20			*	.70												*	.40						1.30
Marlette Lake ‖‖												.58	.09	.11												.05	.28	.31	.07	.18	.50	2.17
Reno***								T			.11	T	.08	.04											T	.08	.16	.04	.03		.01	0.55
Bijou, Cal			.07					.03			.21	.40	.59	.13												.10	.17		.29	.15	.16	2.30
Cathedral Park, Cal				.19		.22					.42	.39	.23	.20											.22	*	.70		.18	.20	1.50	4.45
Hobart Mills, Cal				.03	T	.02		.15	.10		T	.85	.32	.31											.22	.04	.55	.22	.16	T	.34	3.31
McKinney, Cal			.05	.10		.09		.14			.11	.61	.58	.69	.02									.01	.14	.05	.84	.28	.15	.12	.39	4.37
Tahoe, Cal																																
Tallac, Cal																																
Carson Basin.																																
Fallon						.03																					.03		.01		.04	0.11
Gardnerville											T	.53	.20												T		.09	.21	.19			1.22
Lahontan ‖‖																									.09	.07						0.16
Markleeville, Cal						T						.78	.35												.16		.59		.25	T	.48	2.61
Woodfords, Cal																																
Walker Basin.																																
Mina																																
Smith												.10													.05				.10			0.25
Thorne											.01																					0.01
Yerington																										.10						0.10
Bridgeport, Cal											T																					T
Lundy, Cal				.05				T				.20		.18											.20			.30	.30			1.23
Shields Ranch, Cal												.36		.20											.09		T		.12			0.77
Colorado Basin.																																
Caliente																																
Indian Springs																									.05	.05						0.10
Lake Valley																																
Las Vegas	T													T							.01							.12	1.55			1.73
Logan								.04						.02											.20			.05	1.56	.44		2.31
Minor Basins.																																
Cherry Creek				.03		.03	.05		.06					.06	.10										.03			T	.06	.07		0.49
Columbia				.04		T								.01											T		T	.07	.28	.03		0.43
Gerlach								.12						.10													.35	.10	.05	.03	.10	0.85
Geyser																																
Jean																									T				*			1.25
Jungo								.05																			.30	.30	.10		.10	0.85
Lida																											*	*	.80			0.80
McDermit						T	T	T	.05			T	T	T	T												T	.27				0.32
McGill			.07			.03		.04						.09										.02				T	.11			0.36
Millett						T			.05		.05				T											.05			.10			0.25
Oasis Ranch																											T	T	.50			0.50
Pahrump				.02				T						T							T				T				*	1.18		1.20
Quinn River Ranch												.06															.10	.21				0.37
Rebel Creek						.05		T	.10			.05	.10	T	T												.11	.18			T	0.59
Rhyolite																																
Sand Pass								T					T	.01											T		.41	.38	T	T	.09	0.89
Searchlight															T										T			.17	2.23	.06		2.46
Sharp						.02																						.21	.50	.26		0.99
Sulphur								.13						.05													.05	.02				0.25
Tonopah***						.02								T	T									.04			.02	.08	.14			0.30
Vya					T	T	T	T			.06	.22	T	.03												.22	.18	.03			.01	0.75

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight.

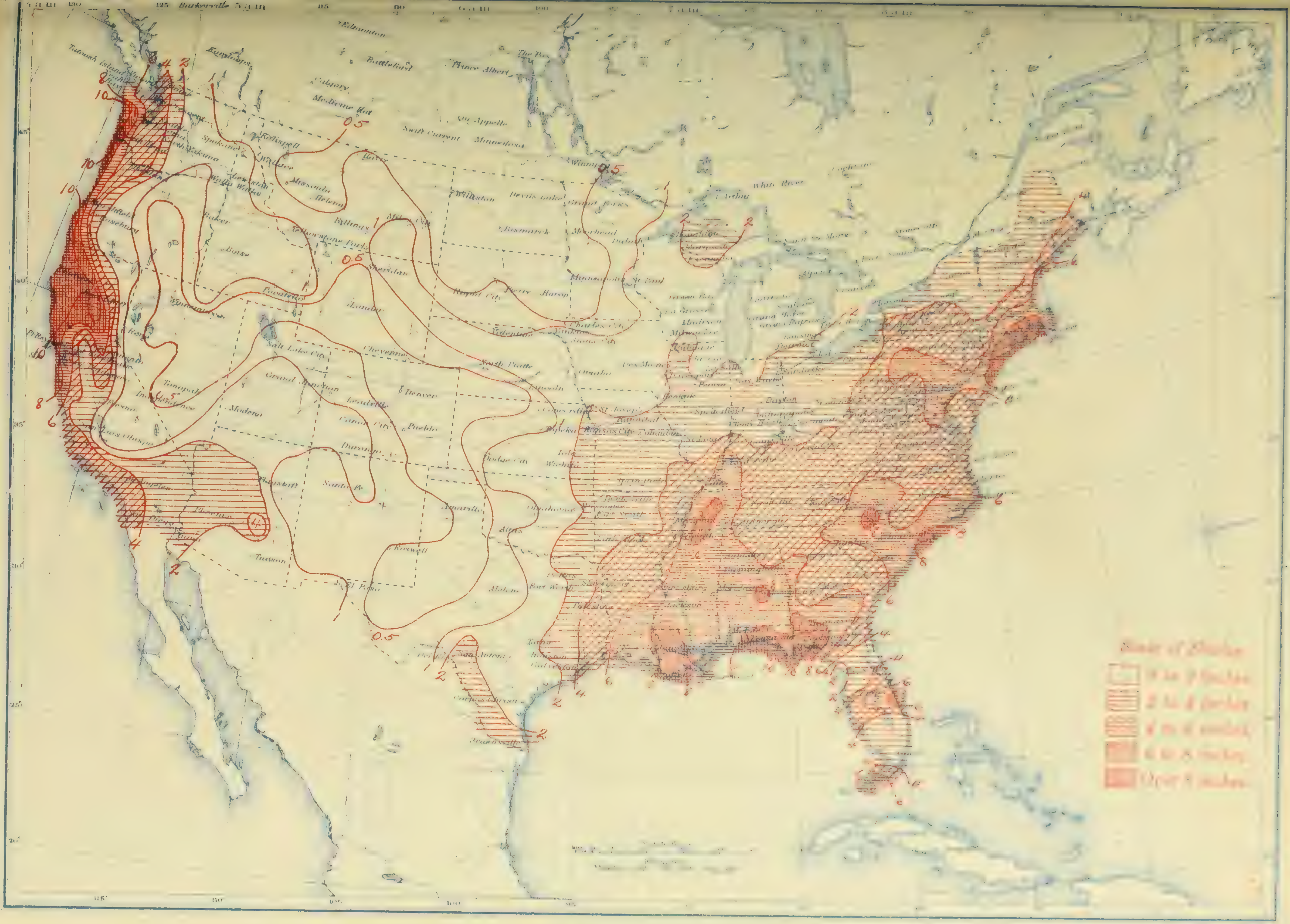
‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

T. Trace, or less than 0.01 inch.

Daily temperatures for January, 1915.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek	Maximum	41	54	51	39	31	48	34	31	30	34	31	34	35	35	24	21	29	34	35	35	21	24	27	27	31	41	35	33	37	37	35	34.0
	Minimum	9	19	24	22	13	24	24	23	24	7	18	26	20	20	18	−15	−7	−6	−6	−6	4	−14	−15	−10	−6	19	4	24	26	12	10	9.4
Owyhee	Maximum	44	46	48	46	34	34	35	35	30	37	42	42	40	38	28	22	32	40	40	28	22	12	16	23	30	49	38	40	42	44	44	35.5
	Minimum	3	9	12	11	3	25	25	29	20	11	25	30	23	26	15	4	11	0	−4	−5	−5	−21	−15	−11	−6	27	10	32	30	17	18	11.3
San Jacinto	Maximum	44	40	39	36	35	34	36	32	34	38	35	35	39	37	31	24	31	34	36	40	34	24	29	34	34	38	38	40	43	45	48	36.1
	Minimum	6	0	14	26	−5	16	19	21	23	−4	20	20	5	21	19	−8	−6	−1	−1	−2	7	−2	−13	−9	−5	24	20	21	19	24	30	9.6
Humboldt Basin.																																	
Austin	Maximum	53	54	19	32	38	34	38	42	35	49	41	35	43	32	23	27	32	38	45	50	32	31	36	31	34	41	42	44	43	40	40	38.8
	Minimum	25	32	24	11	14	20	24	26	13	25	14	19	25	10	4	7	13	15	22	22	1	6	11	20	18	25	25	30	29	19	32	18.7
Battle Mountain §§	Maximum	55	57	55	45	40	44	48	46	43	45	44	48	45	45	47	49	50	44	52	54	44	42	39	40	40	54	45	52	57	60	50	47.7
	Minimum	10	9	13	22	25	23	26	29	13	20	28	22	27	24	23	10	8	12	11	12	3	−1	8	12	22	27	31	32	35	37	36	19.6
Beowawe §§	Maximum	40	38	42	40	43	37	42	44	38	38	42	39	44	40	30	33	35	40	45	45	37	30	37	36	35	47	42	50	53	46	46	40.5
	Minimum	6	8	9	16	8	25	21	27	1	12	15	20	27	20	3	6	4	9	10	12	−3	−3	−2	11	19	25	22	28	32	21	32	14.2
Carlin	Maximum	50	47	49	52	39	33	44	40	42	40	37	42	38	42	40	42	40	43	48	47	40	38	36	33	32	36	....	41	50	52	51	40.9
	Minimum	6	1	5	7	−2	5	9	8	10	5	1	32	9	30	7	−8	−6	−6	−4	−6	−4	−12	−15	−4	4	15	12	32	31	30	29	7.1
Dry Farm	Maximum	45	39	45	40	37	34	34	38	37	37	41	41	39	36	32	32	31	36	37	31	36	32	31	37	31	38	38	42	42	39	40	37.0
	Minimum	17	16	19	19	15	20	19	23	10	19	20	23	24	21	16	3	10	10	10	11	16	−3	−3	7	13	26	24	26	26	29	31	16.7
Elko	Maximum	37	40	39	40	37	39	40	41	42	37	35	42	43	43	32	30	31	39	33	35	35	30	25	30	35	45	37	45	44	46	45	37.8
	Minimum	2	0	5	26	−2	20	19	18	27	3	10	26	7	21	19	−5	0	0	−1	0	1	−10	−13	−6	3	14	14	27	26	28	27	9.9
Eureka	Maximum	50	45	44	38	40	34	40	34	34	45	41	36	41	40	27	28	31	39	49	51	42	32	36	38	31	41	42	36	38	45	44	39.1
	Minimum	30	30	29	24	10	20	15	22	24	9	26	18	16	21	14	12	4	5	14	15	19	−2	−1	14	19	14	22	25	30	28	22	17.7
Golconda	Maximum	40	38	38	48	45	35	43	41	42	48	49	44	53	44	40	34	34	38	41	36	38	37	34	42	43	45	45	48	46	55	48	42.3
	Minimum	12	16	14	18	14	18	26	15	20	20	27	29	31	20	14	7	8	13	16	14	5	2	9	18	20	25	26	28	34	34	32	18.9
Halleck	Maximum	43	42	40	36	45	48	38	35	42	30	37	38	42	45	40	35	30	42	34	36	30	45	40	30	35	42	42	38	40	35	34	38.4
	Minimum	4	5	8	5	8	9	3	10	6	8	5	3	10	8	10	20	10	8	5	8	3	10	8	5	10	8	3	10	15	8	5	......
Imlay	Maximum	36	42	40	41	41	40	42	41	40	41	40	41	49	48	35	30	31	32	34	35	37	35	38	35	40	47	48	47	49	50	44	40.3
	Minimum	10	8	10	11	14	24	23	29	25	22	24	19	31	25	24	22	18	15	10	8	12	10	7	10	19	19	32	33	32	29	27	19.4
Paradise Valley	Maximum	38	39	44	41	39	37	39	40	41	41	43	40	41	42	33	34	34	40	45	45	41	35	36	40	38	44	39	42	48	49	43	40.4
	Minimum	7	9	9	22	5	23	21	25	15	4	12	25	25	27	22	1	−3	2	5	6	8	−9	−9	1	10	19	19	28	23	22	25	12.9
Potts	Maximum	49	49	48	40	47	35	35	37	32	42	46	38	37	36	28	23	29	35	42	46	40	32	32	38	35	38	42	40	42	39	43	38.5
	Minimum	8	11	15	22	2	19	10	21	22	2	26	14	17	16	15	0	−7	−3	4	6	8	−6	−6	0	20	7	20	28	30	25	14	11.6
Tecoma	Maximum	55	55	55	56	55	56	55	55	56	55	56	56	57	60	58	60	58	57	60	58	60	57	55	56	57	60	58	58	59	60	59	57.2
	Minimum	−10	−15	−12	−4	−14	−3	−2	−3	8	−10	−12	−10	−5	10	3	3	−6	−5	−10	−12	−8	−18	25	−22	−20	15	−3	6	12	3	18	−4.9
Wells	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	2	3	4	2	−5	−3	4	1	5	2	3	6	5	2	−2	−3	−1	2	−3	−4	−8	−10	−12	−19	−4	1	−2	5	8	10	20	0.3
Winnemucca	Maximum	39	40	38	41	43	39	41	38	39	39	42	38	46	43	33	34	36	39	43	47	38	32	36	37	41	47	36	41	48	47	44	40.2
	Minimum	12	9	16	16	15	27	23	29	21	11	22	25	31	26	17	10	6	7	11	14	14	8	1	6	19	24	28	30	32	30	31	18.4
Truckee Basin.																																	
Fernley	Maximum	39	46	49	47	45	45	44	50	45	43	56	50	58	48	38	39	41	41	44	45	46	39	37	41	48	48	40	52	50	52	45	45.5
	Minimum	18	11	19	28	21	24	16	26	6	9	19	25	24	31	25	8	6	5	8	9	11	3	−1	11	14	11	32	31	32	22	33	17.3
Glenbrook	Maximum	47	47	45	43	46	37	35	35	36	37	35	39	42	35	34	30	38	38	44	40	35	30	40	30	37	36	38	37	40	42	42	38.4
	Minimum	24	25	21	20	21	17	16	17	20	22	20	25	26	25	25	10	10	15	15	20	19	14	11	23	22	15	29	27	27	29	29	20.6
Lewer's Ranch	Maximum	50	51	52	45	45	40	42	40	40	39	45	42	45	40	35	40	40	42	45	46	46	44	39	35	42	45	42	45	44	45	45	43.1
	Minimum	26	26	28	21	23	30	17	20	14	17	25	25	30	30	14	10	13	16	15	17	18	10	7	20	26	15	30	30	30	30	32	21.5
Reno	Maximum	56	55	55	45	42	43	43	46	44	48	52	38	50	40	35	36	42	44	48	46	47	38	42	42	45	43	37	48	51	48	46	45.0
	Minimum	25	25	24	29	27	27	20	31	22	19	22	27	35	29	21	16	14	15	16	18	21	15	9	22	27	20	32	33	34	30	37	23.9
Cathedral Park, Cal.	Maximum	51	46	49	52	54	52	51	48	53	50	52	53	49	51	49	45	43	49	56	54	55	52	53	56	51	55	56	59	59	51	52	51.8
	Minimum	20	18	15	20	15	18	15	16	11	9	14	16	10	11	15	12	16	20	23	24	26	15	16	28	25	20	21	31	32	30	31	19.1
Tahoe, Cal.	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Carson Basin.																																	
Fallon	Maximum	41	47	42	45	46	45	45	48	44	45	57	51	57	49	37	35	39	42	43	45	43	36	38	43	48	48	45	53	53	55	48	45.6
	Minimum	16	13	17	22	14	22	12	29	20	10	16	17	26	27	21	3	5	5	7	9	10	2	0	9	22	13	31	34	37	21	30	16.8
Gardnerville	Maximum	....	53	....	51	43	44	42	45	42	....	50	41	51	45	38	33	....	40	....	44	44	40	37	....	41	42	39	41	42	48	....	43.2
	Minimum	....	16	....	18	25	29	17	33	16	....	15	26	30	30	17	10	....	11	....	12	18	10	4	....	17	16	30	30	31	29	....	20.4
Lahontan §§	Maximum	40	43	40	41	42	40	41	39	36	38	37	39	40	40	37	33	40	39	38	43	41	41	40	37	44	46	44	48	52	50	50	41.3
	Minimum	25	25	26	26	27	25	25	26	18	23	26	26	28	29	18	16	16	18	20	21	12	12	15	15	24	24	33	34	31	31	29	23.4
Walker Basin.																																	
Mina	Maximum	52	54	56	60	45	48	35	44	45	48	50	43	45	45	35	32	30	42	50	55	45	40	45	40	50	50	45	48	48	47	50	45.9
	Minimum	22	26	28	30	10	12	10	22	20	24	22	14	28	30	22	4	4	10	12	9	20	3	10	18	15	25	28	38	32	28	32	19.6
Thorne	Maximum	48	50	49	45	41	42	37	36	42	45	42	50	47	48	50	51	48	47	42	44	38	40	46	48	46	49	48	50	45	41	45	45.2
	Minimum	20	21	22	14	15	18	12	13	17	17	20	21	20	18	21	23	20	18	16	10	12	16	16	15	17	20	18	19	18	20	20	17.6
Yerington	Maximum	45	48	54	43	42	44	41	48	41	43	55	44	54	46	36	32	38	40	42	44	42	32	35	40	45	43	42	51	51	53	50	44.0
	Minimum	18	16	17	19	15	18	9	15	15	9	13	20	22	32	9	−1	−4	4	4	9	6	4	−3	12	20	9	19	20	24	12	31	13.3
Bridgeport, Cal.	Maximum	49	42	45	40	35	38	36	39	33	38	44	40	44	42	28	22	28	33	35	40	41	35	32	37	35	36	37	36	36	36	40	37.2
	Minimum	14	8	12	20	8	18	−1	20	−4	0	−2	14	21	25	−8	−3	−7	−6	−4	−2	11	7	−8	11	4	0	21	29	26	10	12	7.9
Colorado Basin.																																	
Caliente	Maximum	52	52	54	54	50	50	54	52	50	50	54	54	50	50	50	48	50	50	54	54	52	52	56	58	60	60	58	56	54	56	56	53.2
	Minimum	26	26	30	28	27	26	25	22	20	20	18	16	10	8	8	0	2	2	10	10	8	10	15	20	24	24	30	26	28	30	30	18.7
Las Vegas	Maximum	63	64	61	58	58	59	59	59	64	64	58	62	60	64	53	54	56	58	63	66	49	56	55	53	59	59	58	54	47	60	64	58.6
	Minimum	28	24	24	30	30	28	27	27	29	27	22	29	24	36	37	35	29	26	23	26	30	31	26	17	35	27	25	34	42	40	34	29.1
Logan	Maximum	63	63	59	60	58	58	59	54	57	60	59	63	57	61	55	54	54	57	62	64	51	53	54	51	53	57	56	52	51	57	59	57.1
	Minimum	29	32	28	37	39	30	29	30	32	31	27	35	26	31	29	27	27	31	26	29	29	32	24	23	32	30	30	40	44	42	34	31.1
Minor Basins.																																	
Cherry Creek	Maximum	55	44	46	41	41	34	35	32	37	36	46	40	43	38	32	29	30	35	41	44	35	25	23	34	34	40	44	41	37	42	41	37.9
	Minimum	13	19	14	32	6	20	13	15	25	6	15	24	12	32	16	10	0	2	10	13	22	6	−1	9	16	21	20	29	28	32	27	16.3
Columbia	Maximum	49	53	43	39	40	38	41	38	38	47	40	38	43	37	29	31	37	42	50	52	46	39	40	36	38	45	38	35	35	47	48	41.0
	Minimum	18	21	29	25	15	21	18	25	22	15	26	15	20	23	18	10	12	15	16	20	24	15	10	15	17	15	22	28	29	27	25	19.7
Gerlach	Maximum	32	28	25	40	40	41	42	37	39	39	33	42	46	45	38	32	33	36	38	41	39	36	32	34	45	40	42	38	41	48	47	38.4
	Minimum	2	7	7	14	12	19	17	28	21	9	10	24	30	27	26	13	10	6	10	10	14	8	0	11	23	28	31	31	31	28	33	17.4
Jean	Maximum	59	62	70	71	68	69	66	70	69	63	68	70	75	78	78	72	69	63	61	62	64	61	63	62	64	68	68	70	65	62	63	66.9
	Minimum	19	23	32	34	30	34	28	31	35	28	32	35	38	36	36	36	34	30	18	15	19	14	15	12	20	27	32	33	37	14	28	27.6
Lida	Maximum	46	45	40	38	35	35	34	33	36	33	35	34	32	30	25	25	31	38	39	40	42	35	32	30	29	36	34	30	33	38	36	34.8
	Minimum	20	20	22	19	12	20	18	15	18	13	11	11	17	16	19	13	17	21	23	23	21	20	6	8	11	12	18	27	26	19	20	17.3
McDermit	Maximum	37	44	43	40	38	36	38	38	36	39	42	38	41	37	35	33	34	40	45	44	34	33	33	39	33	40	38	40	46	43	41	38.6
	Minimum	15	19	23	23	12	25	17	28	20	14	21	21	24	25	18	9	7	11	13	16	15	7	4	8	16	27	23	28	23	22	29	18.2
McGill	Maximum	55	54	48	44	37	34	36	38	35	40	49	46	34	40	29	29	30	36	44	52	46	33	37	32	32	41	36	41	41	39	42	39.7
	Minimum	12	18	18	28	3	22	16	17	24	4	24	23	15	26	15	12	4	9	11	16	23	6	−1	17	19	20	19	24	31	29	28	17.2
Millett	Maximum	50	52	52	44	40	38	43	42	40	42	50	41	52	45	32	31	39	44	50	51	50	37	35	38	45	36	39	47	45	48	47	43.4
	Minimum	6	4	9	27	2	15	7	19	9	0	6	21	22	20	20	4	0	5	1	6	6	0	−8	−2	6	20	20	30	31	30	30	11.8
Oasis Ranch	Maximum	43	45	40	43	47	40	35	38	40	45	40	43	45	45	35	48	38	45	45	48	46	48	38	40	35	42	36	35	33	35	36	41.0
	Minimum	15	12	20	23	10	20	11	21	18	17	23	16	15	29	20	12	11	15	9	10	15	20	1	15	12	11	21	20	31	30	25	17.0
Pahrump	Maximum	60	50	53	54	54	54	55	54	....	55	60	56	56	62	50	51	52	53	59	63	63	52	51	50	51	56	52	50	51	54	58	54.6
	Minimum	18	18	20	38	26	27	23	28	....	19	19	35	18	30	29	29	20	17	18	19	29	30	15	14	37	18	27	38	41	41	28	25.6
Quinn River Ranch	Maximum	33	40	28	41	36	35	40	40	37	39	42	36	42	40	36	32	36	42	45	40	37	37	37	43	40	45	34	40	50	45	44	39.1
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	29	24	24	30	......
Rebel Creek	Maximum	42	42	38	40	42	38	37	42	37	41	49	42	41	41	32	37	47	37	47	49	32	37	34	41	37	41	37	44	46	49	42	40.7
	Minimum	10	15	20	20	15	27	27	28	23	14	20	25	25	28	25	14	15	14	15	15	18	6	6	10	19	26	26	27	27	29	30	20.0
Rhyolite	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Sand Pass	Maximum	34	38	38	42	38	43	43	45	42	38	48	41	49	44	36	34	39	39	42	43	44	39	36	39	47	46	40	43	49	51	45	41.8
	Minimum	15	12	14	21	22	24	19	29	20	14	16	24	25	29	22	10	10	10	12	12	15	13	5	16	24	18	31	31	33	29	34	19.6
Searchlight	Maximum	52	56	63	52	49	50	48	50	49	49	56	58	52	56	47	40	43	44	48	58	56	45	39	49	50	50	48	44	43	48	58	50.0
	Minimum	42	40	46	39	34	34	31	32	32	36	36	38	38	34	29	27	26	29	38	36	38	35	25	27	37	35	38	36	40	36	39	34.9
Sharp	Maximum	52	56	47	40	38	32	40	39	38	44	44	41	45	38	34	34	34	41	50	51	47	38	35	33	36	38	40	42	38	46	47	41.2
	Minimum	12	10	12	12	8	10	16	11	12	7	9	14	12	24	18	15	17	6	9	15	15	7	−2	−1	12	9	15	15	17	22	28	12.5
Sulphur	Maximum	32	28	25	40	40	41	42	37	39	39	33	42	48	40	38	36	38	37	40	38	37	39	38	40	41	42	40	38	42	42	42	38.5
	Minimum	2	7	7	14	12	18	17	28	21	10	10	24	26	29	10	22	24	19	14	20	28	30	31	29	29	29	28	28	22	26	27	20.7
Tonopah	Maximum	46	48	43	35	36	34	34	35	33	41	40	33	38	36	24	25	31	38	44	49	43	31	34	33	33	37	35	31	33	41	37	36.5
	Minimum	31	33	34	26	23	23	22	22	20	24	29	22	26	20	12	9	14	18	25	34	25	14	17	20	19	25	28	28	30	29	32	23.7

a, b, c, etc., indicates respectively 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades
0 to 2 inches
2 to 4 inches
4 to 6 inches
6 to 8 inches
Over 8 inches
Barkerville
Edmonton
Battleford
Prince Albert
The Pas
Kamloops
Calgary
Medicine Hat
Qu Appelle
Swift Current
Minnedosa
Winnipeg
White River
Port Arthur
Tatoosh Island
Spokane
Yakima
Walla Walla
Lewiston
Kalispell
Havre
Missoula
Helena
Williston
Devils Lake
Grand Forks
Bismarck
Moorhead
Duluth
Baker
Boise
Billings
Miles City
Yellowstone Park
Sheridan
Rapid City
Pierre
Huron
Minneapolis
St Paul
Roseburg
Winnemucca
Pocatello
Lander
Yankton
Charles City
Sioux City
Green Bay
La Crosse
Madison
Milwaukee
Grand Haven
Grand Rapids
Detroit
Alpena
Salt Lake City
Cheyenne
North Platte
Omaha
Des Moines
Davenport
Chicago
Toledo
Tonopah
Independence
Grand Junction
Denver
Lincoln
St Joseph
Dubuque
Keokuk
Springfield
Indianapolis
Modena
Leadville
Canon City
Pueblo
Concordia
Topeka
Kansas City
Columbia
Durango
Dodge City
Wichita
Los Angeles
Flagstaff
Santa Fe
Amarillo
Oklahoma
Fort Smith
Memphis
Nashville
Knoxville
Phoenix
Yuma
Tucson
Roswell
El Paso
Abilene
Fort Worth
Dallas
Shreveport
Vicksburg
Jackson
Birmingham
Montgomery
Atlanta
Augusta
Del Rio
San Antonio
Austin
Palestine
Galveston
Pensacola
Mobile
Tampa
Corpus Christi
Brownsville
Tampa
Point Reyes
San Luis Obispo
Fresno
Reno
Red Bluff
Eureka
0.5
1
2
4
6
8
10
115
110
105
100
95
45
40
35
30
25

Snowfall in the elevated regions of Nevada Section, January, 1915.

The current season is the driest of the five seasons during which systematic mountain snowfall observations have been made in the drainage basins of the principal rivers of Nevada. The precipitation has been below normal every month from September, 1914, to January, 1915, inclusive.

The snowfall for January was below normal in all basins. There was an average of 27.7 inches in the Truckee Basin; 22.0 inches in the Carson Basin; 6.3 inches in the Walker Basin; and 6.1 inches in the Humboldt Basin. The greatest amount reported in the Truckee Basin was 45.5 inches, at Cathedral Park; in the Carson Basin, 22 inches at Markleeville; in the Walker Basin, 14.5 inches at Bridgeport; and in the Humboldt Basin, 21 inches, at Eureka.

In the Truckee Basin the average precipitation for January, 7 stations reporting, was 2.82 inches. The seasonal average for 4 stations (September to January) was 6.35 inches, which is 36 per cent of the normal. At the close of the month the snow cover ranged from 7 inches in depth at Bijou to 34 inches at Cathedral Park.

In the Carson Basin the precipitation for January at Markleeville, the only station reporting, was 2.61 inches, and for the season, September to January, it was 5.20 inches; this is only 39 per cent of the normal. On January 31st only 3 inches of snow remained upon the ground.

In the Walker Basin the precipitation for January averaged 0.67 inch for 3 stations. For the season, September to January, the average was 1.40 inches, or 25 per cent of the normal. On January 31st the snow cover at Bridgeport was only 3 inches deep at the other stations the snow had disappeared.

In the Humboldt Basin the precipitation in January averaged one-half inch. The average for the season, September to January, 11 stations reporting, was 2.62 inches; this is 54 per cent of the normal. At the close of the month four stations reported no snow upon the ground; at the others the snow cover ranged from 10 inches to less than one-tenth inch in depth.

At the close of the month the prospects for an ample supply of water for irrigation in the Truckee-Carson district during the coming crop season were good.

Precipitation data, in inches and hundredths, for January, 1915, and for the past five seasons, September to January, for each of the drainage basins, are given in the tables below.

COMPARATIVE SEASONAL PRECIPITATION.

Years.	Truckee Basin.	Carson Basin.	Walker Basin.	Humboldt Basin.
Precipitation from September 1, 1910, to January 31, 1911	26.51	17.73	5.72	4.80
Precipitation from September 1, 1911, to January 31, 1912	7.04	5.23	1.29	3.18
Precipitation from September 1, 1912, to January 31, 1913	11.00	9.58	3.41	5.04
Precipitation from September 1, 1913, to January 31, 1914	25.62	21.17	12.38	6.31
Precipitation from September 1, 1914, to January 31, 1915	6.35	5.20	1.40	2.62

SNOWFALL.

Stations.	Counties.	Total snowfall during January.	Total precipitation during January.	Depth of snow on the ground January 15.	Depth of snow on the ground January 31.	Total precipitation September 1 to January 31.	Average precipitation Sept. 1, to Jan. 31, for past 4 years.	Departure from 4 years average.
Truckee Basin.								
Bijou	Eldorado	11.5	2.30	11.0	7.0		13.43	
Boca	Nevada							
Cathedral Park	Eldorado	45.5	4.45	35.0	34.0		22.23	
Deer Park	Placer							
Glenbrook	Douglas	13.0	1.86	10.0	10.0		13.57	
Hobart Mills	Nevada	41.0	3.31	17.0	18.0	6.68	17.34	−10.66
Lewer's Ranch	Washoe	13.0	1.30	5.0	8.0	4.90	12.97	− 8.07
McKinney	Placer	40.0	4.37	23.0	27.0	8.37		
Marlette Lake	Douglas	30.0	2.17	20.0	30.0	5.44		
Tahoe	Placer						21.25	
Tallac	Eldorado						15.51	
Truckee	Nevada							
Carson Basin.								
Markleeville	Alpine	22.0	2.61	6.0	3.0	5.20	13.64	− 8.44
Tamarack	do							
Woodfords	do						12.07	
Walker Basin.								
Bridgeport	Mono	14.5	1.23	4.0	3.0	2.10	6.91	− 4.81
Lundy	do						10.51	
Shield's Ranch	do	3.5	0.77	0	0	1.48	6.40	− 4.92
Smith	Lyon	1.0	0.01	0	0	0.61	4.33	− 3.72
Humboldt Basin.								
Arthur	Elko	11.0	1.12	6.0	6.0	5.22	6.83	− 1.61
Beowawe	Lander	2.5	0.25	0	0	2.83	3.82	− 0.99
Dry Farm	Elko	1.0	0.15	1.0	3.0	2.02	5.66	− 3.64
East Rochester	Humboldt							
Eureka	Eureka	21.0	0.61	3.0	2.0	2.00	4.80	− 2.80
Halleck	Elko	1.0	0.10	T.	T.	1.69	2.97	− 1.28
Hylton	do	11.4	1.14	1.5	6.0	3.18	5.79	− 2.61
Jack Creek	do							
Metropolis	do	1.0	0.06	2.0	1.0	1.56	5.68	− 4.12
Millett	Nye	3.0	0.25	0	0	1.41	2.58	− 1.17
North Fork	Elko	10.5	1.13	10.0	10.0	3.81	5.05	− 1.24
Rose Creek	Humboldt							
Wells	Elko	1.5	0.15	0.5	0	2.97	3.46	− 0.49
Winnemucca	Humboldt	3.3	0.49	0.2	0	2.19	4.47	− 2.28

CORRECTIONS.

August, 1914, report.—Page 60, Tonopah, wind direction should be west.

December, 1914, report.—Page 92, Clover Valley, total snowfall should be blank. Bijou, total snowfall should be 15.3; wind direction should be blank. Woodfords, wind direction should be blank. Logan, departure from normal precipitation should be plus instead of minus. Rebel Creek, number of partly cloudy days should be 8. Winnemucca, page 94, minimum on the 16th, 8 degrees, should be 7 degrees.

OF THE
UNIVERSITY OF ILLINOIS
APR 1915

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

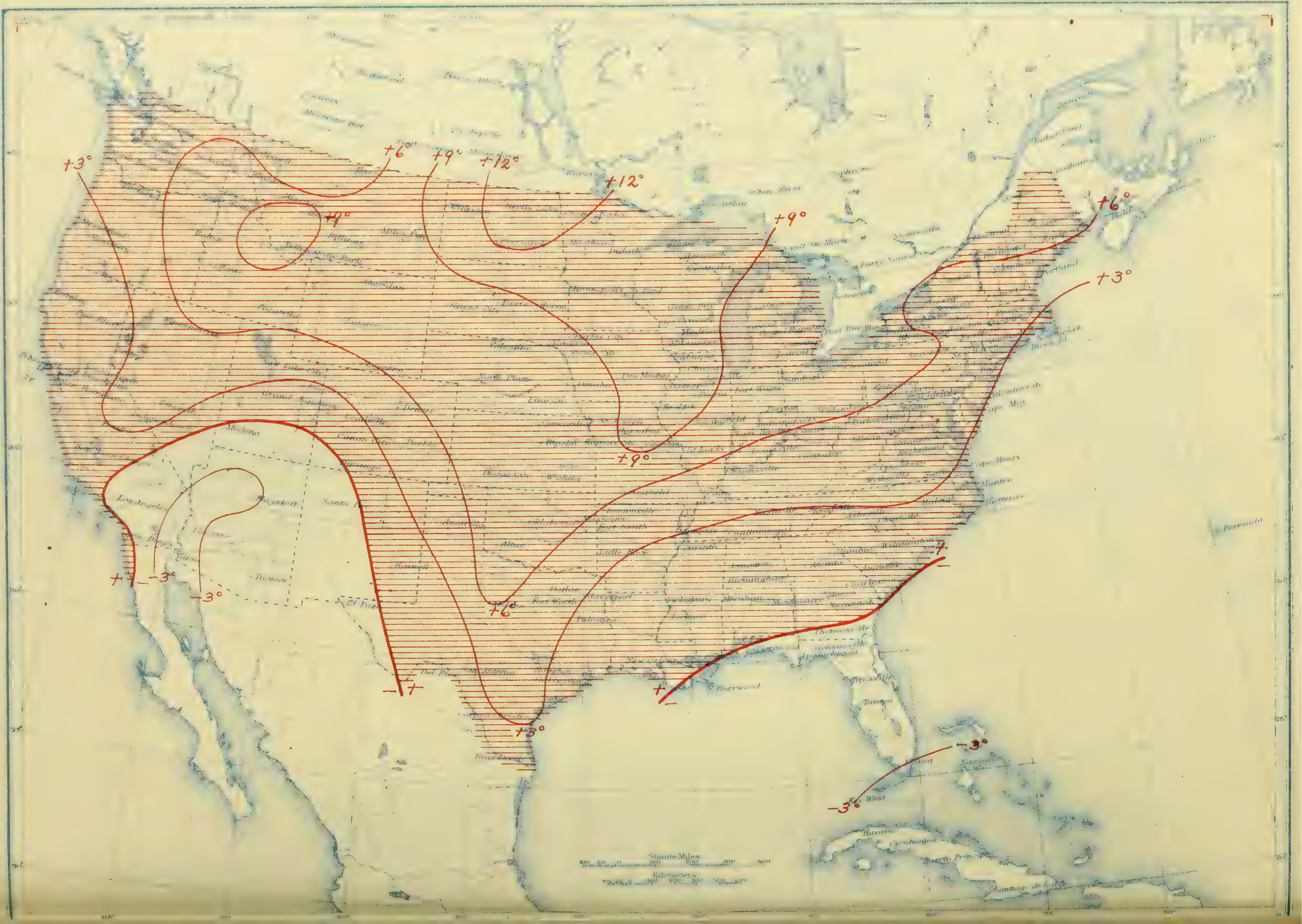
NEVADA SECTION

FEBRUARY, 1915

BY
HENRY F. ALCIATORE
SECTION DIRECTOR

RENO, NEV.
WEATHER BUREAU OFFICE
MARCH 22, 1915.

Departure of the Mean Temperature from the Normal, February, 1915.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALCIATORE, Section Director.

Vol. XXX.   Reno, Nevada, February, 1915.   No. 2.

GENERAL SUMMARY.

This was the mildest February experienced in Nevada since 1907. The daily mean temperatures averaged above normal most of the time. There were three periods of cold weather but they were of short duration, and the lowest temperatures recorded were not unusual. Barring a few places near the California border line, the excess in temperature was general, though more marked in the northern than in the southern district.

Cloudy and unsettled weather predominated. The number of days with measurable amounts of precipitation was 40 per cent greater than the average. For the State as a whole the average precipitation was 59 per cent greater than that of February, 1914, 16 per cent above normal, and the largest recorded in the last 11 years. As compared with the normal there was a deficiency of 2 to 4 per cent in the Humboldt and the minor basins, but in the other basins there was an excess of 5 to 167 per cent, the greatest having occurred in the Colorado Basin. Snow fell at 46 out of 51 stations, the average monthly fall being about 12 inches.

On the whole the weather was favorable to the cattle interests in most of the counties in which cattle raising is the chief industry. (A complete report on the snowfall for February, 1915, with comparative data, appears on page 16 of this bulletin.)

TEMPERATURE.

The monthly mean for the State, as shown by the records of 44 stations, was 36.5 degrees. The mean for the 28 stations having ten or more years record was 3.6 degrees above the normal. The highest recorded was 70 degrees, at Golconda on the 17th; the lowest was —5 degrees at Tecoma on the 6th and Gold Creek on the 14th. The greatest daily range was 60 degrees at Tecoma on the 6th. The highest monthly mean was 50.2 degrees at Logan; the lowest was 25.8 degrees at Gold Creek.

PRECIPITATION.

The average for 51 stations reporting was 1.38 inches. For the 31 stations having ten or more years record, the mean was 0.19 inch above the normal. The average amount at 2 stations in the Columbia Basin was 1.38 inches; at 19 stations in the Humboldt Basin, 1.08 inches; at 9 stations in the Truckee Basin, 6.24 inches; at 5 stations in the Carson Basin, 4.23 inches; at 5 stations in the Walker Basin, 2.06 inches; at 2 stations in the Colorado Basin, 1.58 inches; at 17 stations in the minor basins, 1.28 inches. The greatest monthly fall was 8.39 inches at Marlette Lake; the least was 0.14 inch at Tecoma. The average number of days with precipitation for the State was 7.

SUNSHINE AND CLOUDINESS.

At Reno 40 per cent of the possible sunshine was recorded; at Winnemucca, 52 per cent; at Tonopah, 47 per cent. For the State, the average number of clear days was 7; partly cloudy, 8; cloudy, 13.

PRESSURE, HUMIDITY, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity (per cent)			Average hourly velocity	Wind		
						Maximum velocity		
		[illegible]	[illegible]	[illegible]		Miles per hour	[illegible]	[illegible]
Reno	[illegible]	87	61	74	[illegible]	[illegible]	[illegible]	[illegible]
Winnemucca	29.91	83	61	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Tonopah	29.97	83	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

MISCELLANEOUS PHENOMENA.

Earthquake.—Gerlach, 9th.
Solar Halos.—(Dates.) 19, 23.
Lunar Halos.—(Dates.) 19, 22, 24, 26, 27.
Thunderstorms.—(Dates.) 2, 6, 17.
Dense Fog.—(Dates.) 9, 10, 11, 13, 16, 24.
Brisk Winds.—(Dates.) 1, 2, 3, 7, 8, 9, 16, 21.

COMPARATIVE DATA FOR FEBRUARY.

Years	Temperature.			Average precipitation	Number of days.				Prevailing wind
	Mean.	Highest	Lowest.		With precipitation	Clear.	Partly cloudy.	Cloudy.	
1889									
1890	30.7	88	−41	1.55	6	10	8	10	s
1891	30.5	66	−19	2.39	8	8	8	12	s
1892	33.4	65	−18	0.95	4	11	8	10	s
1893	29.0	69	40	1.43	5	10	7	11	w
1894	25.7	71	41	1.92	6	11	7	10	sw
1895	31.1	77	−35	1.23	4	13	6	9	n
1896	35.4	86	−12	0.02	2	13	10	6	w
1897	29.6	67	22	2.09	8	8	7	13	sw
1898	36.9	79	2	0.29	2	12	10	6	w
1899	33.3	73	−27	0.55	4	13	7	8	w
1900	35.3	76	−12	0.51	4	11	6	11	sw
1901	31.6	77	27	2.61	8	7	5	16	sw
1902	36.4	75	−16	1.42	6	7	9	12	sw
1903	20.7	86	−32	0.56	3	17	5	6	n
1904	35.9	73	−15	2.48	7	9	7	13	sw
1905	37.8	80	−37	1.13	4	14	6	8	n
1906	36.4	69	2	1.03	5	10	6	12	sw
1907	41.9	78	9	1.28	4	11	7	10	n
1908	34.6	79	10	1.07	4	12	9	8	s
1909	33.5	73	− 7	1.03	5	9	9	10	sw
1910	30.6	79	−27	0.37	2	11	9	8	sw
1911	27.8	67	−26	1.12	5	12	7	9	s
1912	36.3	79	3	0.26	2	11	10	8	w
1913	31.8	74	−20	0.44	3	14	7	7	w
1914	35.5	79	−16	0.87	5	15	6	7	w
1915	36.5	70	− 5	1.38	7	7	8	13	sw
Entire period	33.0	88	−41	1.15	5	11	7	10	sw

LATE REPORTS.

January, 1915.—Clover Valley, Elko County, mean temperature, 25.1; highest, 49 degrees on the 31st; lowest, —9 degrees on the 24th; total precipitation, 0.82 inch; total snowfall, a trace; days with precipitation, 7; clear, 12; partly cloudy, 10; cloudy, 9.

Lake Valley, Lincoln County, mean temperature, 24.2; highest, 48 degrees on the 20th; lowest, 1 degree on 15th; total precipitation, 0.82 inch; total snowfall, 11.6 inches; days with precipitation, 6; clear, 20; partly cloudy, 8; cloudy, 3.

Woodfords, Alpine County, Cal., total precipitation, 2.85 inches; total snowfall, 20.0 inches; days with precipitation, 4; clear, 14; partly cloudy, 11; cloudy, 6.

Tallac, Eldorado County, Cal., total precipitation, 3.50 inches; total snowfall, 22.0 inches; days with precipitation, 10; clear, 11; partly cloudy, 3; cloudy, 17.

CORRECTIONS.

January, 1915.—Page 3. Reno, average hourly velocity, 5.0, should be 4.9.

Climatological data for February, 1915.

Stations.	Counties.	Elevation, feet.	Temperature, in degrees Fahr.								Precipitation, in inches.					Number of days				Prevailing direction of the wind.	Observers.
			Length of record, years.	Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted.)	With precipitation (0.01 inch or more.)	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek	Elko	6,600	2	25.8		43	18	5	14	43	2	1.40		0.30	14.0	11	9	15	4	s	Forest Supervisor.
Jack Creek	do	6,300									2										C. E. Butler.
Owyhee ††	do	5,400	4	32.2		52	17	5	14	37	4	0.52		0.25	2.8	4	6	0	22		Indian Service.
San Jacinto	do	5,200	10	33.1	+1.3	48	9	6	26	36	10	1.35	+0.81	0.50	6.5	6	10	7	11	sw	J. S. Parmley.
Humboldt Basin.																					
Arthur	Elko	6,500									5	2.40	+1.11	0.60	15.0	8					Isaac Woodhouse.
Austin	Lander	6,594	26	33.7	+4.2	57	†7	14	26	31	26	0.74	−0.60	0.33	11.2	5				e	Forest Service.
Battle Mountain	do	4,513	44	42.1	+9.7	65	†16	19	4	38	46	0.67	−0.08	0.30	2.8	4	6	15	7	se	Southern Pacific Co.
Beowawe	Eureka	4,695	44	38.0	+6.9	58	7	17	4	31	46	0.50	−0.21	0.15	2.5	6	12	2	14	s	Do.
Carlin	Elko	4,896	44	35.8	+9.0	52	†8	12	†6	38	44	0.55	−0.31	0.20	0.3	6	5	15	8		Western Pacific Co.
Clover Valley	do	6,000	14	33.2	+4.2	50	28	1	5	41	22	1.49	−0.68	0.26	11.4	10					I. F. Wiseman.
Dry Farm	do	5,600	3	33.0		49	†7	13	†14	32	6	1.22	−0.49	0.26	10.0	11				sw	Walfrid Sohlman.
Elko	do	5,063	44	35.2	+6.5	52	†8	5	5	35	45	1.33	+0.39	0.35	4.0	6	4	9	15	sw	Western Pacific Co.
Eureka	Eureka	6,837	17	32.8	+3.1	50	13	10	27	38	19	1.06	−0.04	0.25	23.0	7	4	4	20	s	Clay Simms.
Golconda	Humboldt	4,392	36	39.6	+5.9	70	17	16	12	40	38	0.62	+0.05	0.27	2.0	4	6	0	22	w	Southern Pacific Co.
Halleck	Elko	5,229	22	31.4	+6.2	52	†7	3	2	33	46	0.30	−0.64	0.10	3.0	5	7	6	15		Do.
Hylton	do	7,081									5	1.35		0.38	4.5	7					Chas. Toyne, sr.
Imlay §	Humboldt	4,209	2	37.4	+2.9	57	†7	15	†12	36	2	0.66	+0.11	0.50	1.0	8	5	0	23		Southern Pacific Co.
Lovelocks	do	3,977	21								19										High School.
Metropolis §	Elko	5,761	2								6	0.46	−0.56	0.20	5.0	6					O. M. Lloyd.
North Fork	do	6,500									6	3.54		0.89	30.5	10	5	2	21	s	Chas. Pratt.
Paradise Valley	Humboldt	4,500	2	35.0		53	16	13	5	32	6	1.46		0.29	8.2	17	6	7	15	sw	R. M. Taylor.
Potts	Nye	6,002	22	30.6	+3.5	45	15	2	14	36	24	1.05	+0.39	0.40	10.5	6	5	3	20	s	Miss Maud Potts.
Shafter §	Elko	5,583	2								2										Geo. Kernan.
Tecoma	do	4,812	37	31.3	+4.6	61	†10	−5	6	60	39	0.14	−0.41	0.05	1.0	6	4	15	9		Southern Pacific Co.
Wells	do	5,631	43								46										Do.
Winnemucca	Humboldt	4,344	36	37.6	+4.3	59	7	15	14	34	46	1.13	+0.20	0.28	4.0	13	4	5	19	sw	U. S. Weather Bureau.
Truckee Basin.																					
Fernley	Lyon	4,150	42	38.7	+2.5	60	7	11	5	41	46	0.77	+0.20	0.21	3.0	8	8	10	10		Mrs. A. G. Steele.
Glenbrook	Douglas	6,240	6	32.2		48	†26	12	21	35	6	6.89		1.80	80.0	13	5	13	10	sw	C. C. Henningsen.
Lewers Ranch	Washoe	5,500	27	34.6	−1.0	55	27	11	13	34	28	3.70	+0.05	1.00	34.0	8	3	14	11		Ross Lewers.
Marlette Lake	do	7,900									2	8.39		1.54	101.0	13	5	4	19	s	V. & G. H. Water Co.
Reno	do	4,532	28	37.2	+1.6	56	7	11	13	30	28	2.59	+0.80	0.52	9.5	13	5	8	15	w	U. S. Weather Bureau.
Bijou, Cal	Eldorado	6,230									6	8.91		2.07	89.0	14	4	6	18	sw	Chas. Young.
Cathedral Park, Cal	do	6,400	3	40.2		61	†16	10	21	40	3	7.68		2.40	97.5	13	4	5	19	s	Carl Fluegge.
Hobart Mills, Cal	Nevada	5,900									6	7.62		1.20	97.0	14	5	3	20	s	S. E. Patterson.
McKinney, Cal	Placer	6,225	6								6	9.65		1.62	106.5	18	7	6	15	s	Fred Jensen.
Tahoe, Cal	do	6,240	7								7										Robert Watson.
Tallac, Cal	Eldorado	6,230									6										W. D. Butt.
Carson Basin.																					
Fallon	Churchill	3,965	21	39.6	+3.5	60	7	13	†5	40	21	1.13	+0.63	0.41	3.0	8	5	10	13	se	U. S. Experiment Station.
Gardnerville	Douglas	4,830	24	e34.9	−1.1	e55	27	e−2	†13	e40	25	3.82	+2.28	1.02	15.5	8				s	Forest Service.
Lahontan	Churchill	4,200	3	38.6		58	1	24	†4	23	5	0.77		0.21	3.5	7	0	8	20	w	U.S. Reclamat'n Service.
Markleeville, Cal	Alpine	5,525									6	6.53		1.84	58.0	8	5	10	13	s	Mrs. Mary Thornburg.
Woodfords, Cal	do	5,634									6	8.92		1.96	80.0	11	2	5	21	sw	Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	8	39.6	+0.5	58	16	17	22	32	19	1.10	+0.82	0.35	3.0	4					Southern Pacific Co.
Smith	Lyon	4,800									7	1.67		0.57	6.8	6	6	11	11	sw	C. M. Carter.
Thorne §	Mineral	4,200	2								2										Southern Pacific Co.
Yerington §	Lyon	4,375	6	37.8	+1.0	62	7	11	5	45	6	1.08	+0.61	0.30	4.1	6	6	8	14	sw	High School.
Bridgeport, Cal	Mono	6,500	2	23.5		45	1	−20	13	54	4	3.01		1.36	28.5	8	7	8	13	s	A. F. Scott.
Shields Ranch, Cal	do	5,300									6	3.44		1.10	17.5	9	4	12	12		Frank W. Chichester.
Colorado Basin.																					
Caliente §††	Lincoln	4,407	5	36.1		56	25	16	5	32	5	3.70		1.00	7.0	9				sw	Salt Lake Route.
Indian Springs §	Clark	3,136	2								2										Ira McFarland.
Lake Valley	Lincoln	6,200	2								2										Valley View Farm'g Co.
Las Vegas	Clark	2,033	13	49.0	+3.8	68	†14	28	13	38	13	1.19	+0.65	0.72	0	4	15	10	3		C. P. Squires.
Logan §	do	1,355	8	50.2	+1.4	69	18	28	4	34	16	1.97	+1.33	1.45	0	6	10	6	12		Experiment Farm.
Minor Basins.																					
Cherry Creek	White Pine	6,450	7	32.5		48	7	7	5	31	7	1.03		0.26	16.5	10	10	6	12	w	J. H. Leishman.
Columbia	Esmeralda	5,700	8	35.8		53	14	†20	†14	33	10	1.28		0.42	6.0	11	7	9	12	se	A. Booth.
Gerlach	Washoe	3,931	3	36.5		55	7	2	14	34	3	1.66		0.37	4.2	11	12	7	9	sw	Western Pacific Co.
Geyser §	Lincoln	6,055	11								11										Mrs. J. F. Wambolt.
Jean	Clark	2,864	7	45.6		68	8	27	22	36	8	1.00		0.75	0	4	12	13	3	w	Salt Lake Route.
Jungo	Humboldt	4,165									2	0.92		0.47	7.0	5	6	0	22	sw	Western Pacific Co.
Lida §	Esmeralda	6,037	3	31.1	−1.5	45	8	12	3	22	3	1.17	−0.71	0.50	5.5	4	10	9	9	nw	L. F. Detwiler.
McDermit	Humboldt	4,700	25	35.6	+4.9	54	7	17	22	29	25	1.48	+0.13	0.45	9.0	9	8	10	10	sw	U. S. Indian Service.
McGill §	White Pine	6,338	5	33.4	+4.9	51	7	8	13	36	5	1.01	−0.02	0.62	12.6	5	16	6	6	s	R. E. Middagh.
Millett	Nye	5,040	7	35.2		53	17	5	26	45	8	0.77		0.40	3.5	4	6	8	14	s	Fred J. Jones.
Oasis Ranch §	Esmeralda	5,106	3	34.6	−0.3	51	15	19	5	27	3	0.37	−0.30	0.25	3.5	3	16	11	1	n	Arthur L. Stewart.
Pahrump ††	Nye	2,668	2	46.0		69	7	23	7	46	2	1.40		1.04	T.	6	15	5	8	s	F. A. Buol.
Quinn River Ranch	Humboldt	4,850	13	36.6	+6.5	57	7	11	14	37	14	0.98	+0.34	0.31	5.6	10	6	6	16	s	F. M. Payne.
Rebel Creek	do	4,300	3	37.8		59	7	20	†5	30	4	2.28		0.65	11.5	11	7	2	19	sw	Mrs. E. J. Hyatt.
Rhyolite	Nye	3,680	2	44.6		62	15	25	11	32	2	1.31		0.35	0	10				s	Secretary School Board.
Sand Pass	Washoe	4,198	2	38.1		55	7	16	14	31	2	1.30		0.52	1.6	7	5	1	22	s	R. R. Mott.
Searchlight	Clark	3,445	2	45.5		60	†8	30	†3	24	2	2.14		1.42	0	7	10	8	10	w	C. L. Aug. Mahn.
Sharp	Nye	6,200	2	32.2		49	†14	7	4	39	2	2.48		0.70	10.0	6	7	11	10	w	F. A. Sears.
Sulphur	Humboldt	4,044	2								2										Western Pacific Co.
Tonopah	Nye	6,090	10	34.1		49	14	16	21	19	10	0.50		0.24	5.0	4	7	12	9	se	U. S. Weather Bureau.
Vya ††	Washoe		2								2	1.20		0.23	8.4	9	5	17	6	sw	W. N. Lord.
For the State				36.5	+3.6	70	17	−5	†6	60		1.38	+0.19	1.80	10.5	7	7	8	13	sw	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

Reference letters ᵃ, ᵇ, ᶜ, appearing in the table indicate number of days missing, for example, ᵇ represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for February, 1915.

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia Basin.																																
Gold Creek		*	*	.30					T.	.20	T.						T.	.10	.05	T.			.30	.10	.15	.40						1.60
Jack Creek																																
Owyhee	.25										.05												.20	.02								0.52
San Jacinto		.50									.20					.25					.25				.05	.10						1.35
Humboldt Basin.																																
Arthur	.10	.60								.03							.30					T.	.20	.30	.10	.40						2.13
Austin ‖									.17	.05						T.			.04	.33		T.	.15	T.	T.							0.74
Battle Mountain ‖	T.	T.							.15	T.						T.				.12		T.		.30	.10			T.				0.67
Beowawe ‖	T.	.05							.05		.05						T.		.15	.10				.10								0.50
Carlin	T.	.02	.03						.10	T.	.10								T.		T.	T.		.20		.10	T.					0.55
Clover Valley	.18	.23	.12						T.	.12	.11						.19	T.		.26			.05	.20	.03							1.49
Dry Farm	.12		.09								.14	.14					.02			.08	.19	.03		.02	.13	.26						1.22
Elko	T.		.35	.20						.12	.16						T.			T.	.20	T.			.30							1.33
Eureka		.18						.15	.03	.20										.25				.15	.10							1.06
Golconda									.20										.10				.27	.05								0.62
Halleck	T.	T.	.05	T.					.05	T.		.05									.10		T.	T.	.05	T.						0.30
Hylton		.20	.15								*	.38									*	.42			.20							1.35
Imlay	.01	.01							.01	.01	.10							T.			.01		.50					.01				0.66
Lovelocks																																
Metropolis					T.	T.		T.			T.						.05			.05	T.	.05	T.	.05	.20	.06						0.46
North Fork	.89	.11	.80	.10													.60	.04		.50		.20		.10	.20							3.54
Paradise Valley	.29	.08	.20						.05	.01	.01				T.	.02	.01	.05	.07	.28	.08	.04	.06	.14	.03		T.	.04				1.46
Potts		T.	.05	T.					.40		.10								.10	T.	.30	T.		.10								1.05
Shafter																																
Tecoma		.01									.03					.05				.01					.02	.02						0.14
Wells																																
Winnemucca***	.02	.06	T.						.06	.05	.05					T.	T.	.14	.02	.28		.01	.08	.23	.02			.11				1.13
Truckee Basin.																																
Fernley	.07	.01						.02	.19	.14	.21						T.							.10				.03				0.77
Glenbrook	.50	1.50					.50	.25	1.80	.36	.36					.50	.40		.30			.06	.06					.30				6.89
Lewers Ranch	.15	.80						.50	.50	1.00	.30									T.		.30		T.			.15					3.70
Marlette Lake ‖‖		1.28	.97	.09				.44	1.54	.54	1.16	.21				.13	.96	.23				.74		.10								8.39
Reno***	.03	.43	T.				.10	.50	.49	.27	.10					.28	.11			.01		T.	.01	.04	T.			.22				2.59
Bijou, Cal	.92	2.07	.30				.32	.88	1.30	.68	.20					.45	.12		.09	.56		.49						.53				8.91
Cathedral Park, Cal	2.40	1.10	.31				.16	.39	.42	.50						.43	.50		.05	.42		.61						.39				7.68
Hobart Mills, Cal	.43	1.14	.41	.03			T.	1.10	1.20	.79	.22	T.				.15	1.19	T.	T.	.15	T.	.20	.05	T.	T.			.56				7.62
McKinney, Cal	1.62	1.43	.48	.11			T.	.87	1.48	1.12	.14					.28	.58	.04		.34	.02	.27	.06	.02	.23		T.	.56				9.65
Tahoe, Cal																																
Tallac, Cal																																
Carson Basin.																																
Fallon									.41	.10	.35					.02	.02			.09				.04	.10			T.				1.13
Gardnerville	.17	*	.86					1.02	.80	*	.70	T.				T.	.27															3.82
Lahontan ‖	T.						T.	.21	.13	.14	T.					.05				.01			.04	T.				.19				0.77
Markleeville, Cal	.40	1.15						.96	1.84	.84						.40	.88											.06				6.53
Woodfords, Cal	.84	.30						.84	1.30	1.96	1.60					.96	.80			.16		.08						.08				8.92
Walker Basin.																																
Mina									.20	.35	.30									.25												1.10
Smith		.27							.57	.23	.08						.50		.02					T.	T.			T.				1.67
Thorne																																
Yerington		.06						T.	.30	.12	.20						.30			T.			T.					.10				1.08
Bridgeport, Cal		.20	.50					1.36	.18	.36	.18					.18								.05								3.01
Shields Ranch, Cal		1.10						.68	.65	.30	.15					.12	.34							.03				.07				3.44
Colorado Basin.																																
Caliente		.50	.25						1.00	.50	.30				.25	.25				.40			.25									3.70
Indian Springs																																
Lake Valley																																
Las Vegas									.30	.72									.07		.10				T.							1.19
Logan		.06								.03	1.45					.01				.34					.08							1.97
Minor Basins.																																
Cherry Creek		.03	.21							.10	.26	.07				.01	.03	.08		T.	.01	T.		.23		T.						1.03
Columbia		.42							.04	.07	.34					.04	.02		.06	.22	.02			.03	.02							1.28
Gerlach	.13	.01							.36	.07	.35	.01				T.	.07			.11			.03	.15				.37				1.66
Geyser																																
Jean										.75	.15					.05				.05												1.00
Jungo										.15	.47								.10	.10								.10				0.92
Lida		.24								.50	.37								.06	T.				T.								1.17
McDermit		T.	.30						.20		.10							.15	.07	.08	.45	.04	T.	.09			T.	T.				1.48
McGill		.05	T.						.11	.18	.62					.05		T.		T.	T.		T.	T.	T.							1.01
Millett	.13	.15								.09	.40																					0.77
Oasis Ranch		.02							.25										.10													0.37
Pahrump		.18									1.04	.05				.05			T.	.06	T.			.02								1.40
Quinn River Ranch	.14								.11		.10						.03	.11		.31	.03	.03	.06	.06								0.98
Rebel Creek	.18	.04	.40						.40	.04	T.					.06	T.	.18	T.	T.	.65	T.	T.	.25	.04			.04				2.28
Rhyolite									.25	.30	.35	.10				.02			.07	.15	.03			.03	.01							1.31
Sand Pass	T.	T.						.08	T.	.14	.02					.21	.14	T.					T.	.19	T.		T.	.52				1.30
Searchlight		.16								.19	1.42					.02			.11	.22					.02							2.14
Sharp		.40							.08	.70	.35					T.	.45				.50			T.				T.				2.48
Sulphur																																
Tonopah***		.18							T.		.04									.24			.04	T.								0.50
Vya	T.	.11	T.					.10		.23	.23					.15	T.		.05			T.	.08	T.			.10	.15				1.20

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

T. Trace, or less than 0.01 inch.

Daily temperatures for February, 1915.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek	Maximum	36	38	32	26	35	35	37	35	37	41	34	34	33	38	38	40	38	43	38	38	36	36	34	35	40	38	37	35				36.3
	Minimum	26	32	21	12	1	6	20	22	28	10	14	16	15	-5	-2	...	20	22	14	16	18	10	17	28	27	4	-3	21				15.2
Owyhee	Maximum	42	47	36	30	35	40	43	44	44	46	38	35	39	39	40	46	52	44	44	44	43	37	41	38	43	33	33	44				40.7
	Minimum	17	30	24	17	16	30	35	42	30	23	26	21	14	5	12	16	15	34	35	26	29	25	30	34	22	13	13	28				23.6
San Jacinto	Maximum	47	43	42	40	46	39	45	46	48	47	39	42	40	41	42	43	45	45	43	45	40	39	43	41	42	34	40	42				42.5
	Minimum	31	30	30	29	29	13	22	25	29	30	28	26	22	12	8	7	2	30	25	27	31	24	28	34	32	6	9	18				23.6
Humboldt Basin.																																	
Austin	Maximum	49	38	39	...	42	46	57	42	42	41	...	39	40	57	50	45	44	44	41	39	35	42	43	39	41	33	42	43				42.9
	Minimum	34	21	21	...	29	21	26	20	24	24	...	15	19	27	34	34	26	30	24	18	17	26	29	24	24	14	28	28				24.5
Battle Mountain §§	Maximum	51	48	54	57	53	50	57	58	55	54	55	57	55	49	48	65	54	60	55	65	57	45	52	45	55	56	60	57				54.5
	Minimum	30	30	31	19	29	28	26	39	29	32	30	22	20	22	25	34	35	40	33	30	28	31	38	32	26	23	32	38				29.7
Beowawe §§	Maximum	47	45	40	38	48	45	58	47	53	45	48	46	47	50	50	53	56	48	55	43	43	47	50	48	46	45	48	53				47.9
	Minimum	35	28	30	17	26	25	28	33	32	28	35	20	19	19	28	35	38	35	30	28	28	29	30	32	22	18	22	35				28.0
Carlin	Maximum	45	42	36	38	47	33	50	52	52	49	40	42	44	45	50	51	50	48	40	42	38	40	40	40	42	40	42	40				43.5
	Minimum	37	36	30	30	21	12	32	30	41	32	30	33	12	10	12	30	33	34	32	33	32	30	30	34	35	30	18	20				28.2
Clover Valley	Maximum	40	44	34	...	42	37	47	45	45	40	40	46	47	44	43	45	46	46	46	43	42	37	47	40	47	39	40	50				43.0
	Minimum	20	28	25	...	1	11	17	25	30	36	38	26	15	10	14	32	31	30	25	32	26	22	30	31	29	14	12	19				23.3
Dry Farm	Maximum	42	45	39	42	41	39	49	47	45	42	40	39	41	45	41	47	45	48	49	39	35	35	48	39	42	31	30	32				41.3
	Minimum	32	30	22	21	19	18	27	31	34	28	27	27	17	13	20	32	32	32	20	26	25	22	38	30	21	13	16	18				24.7
Elko	Maximum	44	48	37	37	38	39	48	52	51	44	45	44	43	44	52	48	50	51	48	45	39	37	45	43	44	44	45	50				44.8
	Minimum	34	34	27	20	5	15	23	36	36	30	30	30	18	16	17	21	31	30	26	29	27	24	28	32	31	20	16	30				25.6
Eureka	Maximum	38	36	36	36	46	41	39	38	46	41	41	46	50	44	39	45	46	45	46	39	34	36	48	40	42	36	43	44				41.5
	Minimum	32	29	20	20	12	28	30	29	30	27	25	12	12	25	30	30	28	29	28	24	23	16	21	29	26	18	10	28				24.0
Golconda	Maximum	55	53	45	48	49	58	63	50	50	40	43	50	48	46	54	64	70	65	50	48	42	44	48	46	52	42	42	45				50.4
	Minimum	40	30	33	28	22	36	35	30	28	31	29	16	18	21	28	34	38	25	30	30	28	30	34	32	25	22	26	28				28.8
Halleck	Maximum	40	22	25	35	47	42	52	45	50	52	42	38	42	45	47	50	39	48	32	48	42	40	42	40	42	30	44	46				41.7
	Minimum	10	3	5	20	20	15	21	12	33	22	28	28	15	13	15	24	32	29	25	24	26	21	36	32	28	15	14	28				21.2
Imlay	Maximum	52	51	43	43	52	45	57	56	52	41	37	43	43	47	51	57	49	52	46	48	49	50	48	48	49	41	45	47				47.9
	Minimum	35	36	33	29	16	25	29	30	32	30	31	15	16	15	19	22	31	34	29	22	29	30	33	29	32	16	15	38				26.8
Paradise Valley	Maximum	42	43	38	41	45	46	52	48	43	42	38	46	44	45	49	53	45	50	49	44	44	39	45	43	46	42	46	50				44.9
	Minimum	32	34	28	23	13	22	22	28	32	25	28	25	15	15	19	30	32	32	24	28	17	20	30	31	30	19	19	31				25.1
Potts	Maximum	42	40	30	38	41	44	44	44	40	41	41	38	38	38	45	42	44	42	44	40	34	41	44	42	44	38	42	43				40.9
	Minimum	28	29	17	20	10	19	23	32	28	27	25	21	3	2	9	29	27	20	30	25	20	14	17	20	17	27	12	20				20.4
Tecoma	Maximum	58	59	57	57	56	55	56	57	60	61	60	61	47	48	46	48	50	52	55	54	50	48	50	50	49	47	45	47				53.0
	Minimum	12	14	8	12	-3	-5	0	3	6	8	20	20	3	2	0	6	10	17	8	11	20	11	18	22	20	5	10	11				9.6
Winnemucca	Maximum	49	50	43	43	50	48	59	52	45	42	37	45	46	49	52	57	46	52	48	44	36	42	48	43	49	41	50	50				47.1
	Minimum	35	32	30	26	21	32	30	36	28	27	31	26	16	15	19	34	33	34	30	28	25	27	32	34	31	24	21	34				28.2
Truckee Basin.																																	
Fernley	Maximum	56	50	44	48	52	56	60	49	49	43	40	43	46	48	48	58	54	59	53	50	45	53	52	49	53	50	50	49				50.2
	Minimum	33	33	32	15	11	33	23	33	33	21	30	24	19	17	21	30	30	33	28	27	24	29	29	37	32	31	19	35				27.2
Glenbrook	Maximum	37	36	39	40	39	40	37	39	38	36	38	40	40	42	45	40	38	42	43	46	43	41	42	42	46	48	48	47				41.1
	Minimum	30	28	24	22	20	20	28	28	30	30	28	27	26	26	26	30	30	28	19	16	12	26	13	19	23	14	13	20				23.4
Lewer's Ranch	Maximum	45	44	37	45	50	54	51	38	38	35	35	41	40	41	45	47	46	53	49	40	39	41	49	43	50	53	55	41				44.5
	Minimum	35	25	27	29	17	20	27	30	23	20	20	17	11	12	19	30	32	33	26	26	14	22	31	33	30	29	23	32				24.8
Reno	Maximum	47	45	40	48	52	54	56	41	42	34	38	42	40	41	42	50	48	54	50	38	41	48	48	49	52	53	56	42				46.1
	Minimum	38	31	30	27	22	30	27	33	30	25	29	20	11	15	21	32	33	35	31	28	24	32	30	35	36	32	26	32				28.4
Cathedral Park, Cal.	Maximum	58	53	50	55	59	60	57	55	55	56	53	59	58	59	60	61	57	61	56	51	49	58	59	60	51	52	51	54				56.0
	Minimum	33	21	20	25	21	27	21	23	21	24	21	22	19	19	25	32	30	33	25	21	10	26	30	29	25	25	26	28				24.4
Carson Basin.																																	
Fallon	Maximum	59	52	46	47	53	57	60	55	41	40	40	48	44	48	59	52	46	47	53	57	44	51	52	48	51	48	55	50				50.1
	Minimum	31	36	30	24	13	28	37	36	33	32	32	27	22	30	31	36	30	24	13	28	22	30	32	37	35	34	22	32				29.2
Gardnerville	Maximum	49	45	44	48	45	52	...	54	45	39	40	36	31	...	38	47	49	50	49	44	...	...	49	47	50	51	55	...				46.0
	Minimum	32	30	23	30	20	27	...	25	28	23	26	9	2	...	-2	24	33	32	25	24	...	...	21	32	34	29	25	...				23.8
Lahontan §§	Maximum	58	47	49	44	44	48	47	52	48	38	38	38	40	40	42	44	48	52	52	44	42	43	46	46	49	48	44	42				45.5
	Minimum	35	32	32	24	24	38	38	34	33	32	30	26	26	30	30	34	34	37	33	33	34	34	34	36	36	25	25	32				31.8
Walker Basin.																																	
Mina	Maximum	47	46	45	50	50	51	48	50	55	50	42	50	48	53	52	58	54	55	54	49	41	47	52	49	50	49	49	55				50.0
	Minimum	35	34	20	30	32	32	34	36	33	36	33	30	34	35	21	33	36	32	22	23	20	17	29	23	30	30	23	26				29.2
Yerington	Maximum	57	49	43	47	50	55	62	48	46	42	40	45	45	46	48	54	55	52	53	47	43	51	51	49	51	51	54	50				49.4
	Minimum	29	30	28	22	11	27	17	33	32	29	30	25	18	18	22	31	30	26	31	25	18	26	28	33	32	29	19	32				26.1
Bridgeport, Cal.	Maximum	45	40	30	40	35	40	41	40	39	34	33	30	34	32	30	36	40	38	38	38	38	34	43	42	40	40	37	40				37.4
	Minimum	30	21	17	18	-4	20	25	30	28	18	14	-10	-20	-18	-7	11	13	-4	3	-9	-9	3	20	23	26	12	4	14				9.6
Colorado Basin.																																	
Caliente	Maximum	40	44	42	46	44	46	48	52	50	50	50	52	51	54	54	50	50	52	53	44	48	50	54	54	56	55	52	54				49.8
	Minimum	18	24	22	20	16	18	22	24	22	20	22	24	22	26	26	22	22	24	26	22	24	20	26	26	24	23	20	22				22.4
Las Vegas	Maximum	60	60	59	64	60	61	64	62	60	61	63	63	65	68	64	60	67	67	66	62	60	58	64	65	64	68	67	65				63.1
	Minimum	43	44	36	35	32	33	35	34	32	32	34	32	28	30	30	34	37	36	34	35	34	36	31	42	45	35	34	35				34.9
Logan	Maximum	54	61	56	57	60	61	67	68	61	60	59	60	64	65	67	58	66	69	65	62	56	60	65	67	64	64	63	64				62.2
	Minimum	36	44	33	28	32	30	35	34	33	49	47	35	36	34	37	44	48	39	43	40	37	37	35	47	47	36	36	38				38.2
Minor Basins.																																	
Cherry Creek	Maximum	42	45	33	32	35	41	48	47	45	42	38	40	41	38	45	46	47	45	42	38	35	39	46	40	44	37	40	44				41.2
	Minimum	32	33	20	25	7	12	20	30	34	28	29	28	10	12	15	27	34	20	27	26	27	23	29	31	30	24	11	23				23.8
Columbia	Maximum	41	42	39	44	47	43	46	47	41	45	38	42	44	53	50	43	50	49	47	40	40	40	45	43	48	46	48	48				44.6
	Minimum	31	33	24	22	21	26	27	31	30	33	30	26	21	20	29	33	33	27	29	27	20	20	22	31	30	28	20	33				27.0
Gerlach	Maximum	50	50	46	42	44	48	55	52	50	37	37	40	40	36	34	48	47	49	46	43	41	49	46	46	48	45	48	46				45.1
	Minimum	32	38	29	28	20	29	31	36	31	29	30	30	9	2	12	25	33	32	33	34	24	33	31	35	31	30	24	31				27.9
Jean	Maximum	64	62	54	56	52	52	58	68	64	60	52	52	60	59	56	56	62	62	59	54	50	58	58	60	59	63	59	58				58.1
	Minimum	28	32	34	28	30	31	31	32	30	48	44	38	29	28	30	30	40	30	37	34	31	27	29	42	42	32	31	31				33.2
Lida	Maximum	38	36	34	35	37	36	38	45	42	37	38	38	40	39	43	42	40	38	37	34	31	33	41	39	40	37	42	41				38.2
	Minimum	22	30	12	18	19	20	20	33	29	32	26	23	19	21	22	31	31	23	28	25	20	16	21	28	25	26	20	32				24.0
McDermit	Maximum	46	46	39	39	46	45	54	52	48	44	40	44	43	45	46	53	44	48	50	41	44	39	47	44	47	42	47	46				45.3
	Minimum	30	34	27	21	21	28	25	32	30	20	29	19	18	18	21	31	31	31	25	25	28	17	28	31	33	18	20	32				25.8
McGill	Maximum	43	38	33	35	41	44	51	48	50	45	43	40	44	44	45	45	46	46	40	43	38	38	46	41	46	40	45	47				43.0
	Minimum	30	30	22	24	12	18	25	29	35	26	30	27	8	9	14	30	31	25	25	25	29	23	28	28	29	26	12	17				23.8
Millett	Maximum	50	44	38	44	48	47	50	51	45	50	41	45	47	48	52	47	53	50	48	41	44	46	50	46	47	50	44	51				47.0
	Minimum	29	32	25	30	11	16	25	37	30	31	29	18	15	14	15	37	27	16	25	17	26	15	23	30	22	5	30	28				23.5
Oasis Ranch	Maximum	40	40	36	38	40	37	42	42	41	34	39	42	39	48	51	48	44	48	45	42	38	40	43	42	43	45	46	48				42.2
	Minimum	30	30	21	20	19	28	25	32	31	30	27	27	20	21	28	36	31	28	30	27	21	22	22	32	39	25	21	33				27.0
Pahrump	Maximum	60	62	51	56	58	62	69	68	62	51	52	56	61	62	63	55	61	63	61	52	60	56	59	61	60	62	61	61				59.5
	Minimum	31	43	30	25	24	27	23	30	44	45	42	28	28	25	30	44	43	31	37	32	30	25	27	37	35	28	29	33				32.4
Quinn River Ranch	Maximum	48	51	44	45	54	44	57	54	51	49	35	44	48	42	48	54	47	50	52	41	37	46	43	46	48	46	51	47				47.2
	Minimum	32	34	34	31	30	24	20	27	27	24	30	27	15	11	18	27	32	30	23	21	19	23	31	37	29	25	19	24				25.9
Rebel Creek	Maximum	49	49	45	45	50	45	59	54	58	41	40	44	49	50	48	49	50	47	54	47	35	40	45	42	45	45	49	46				47.1
	Minimum	34	35	28	27	20	25	35	33	30	28	21	27	20	24	22	33	27	34	27	27	24	27	31	34	34	27	24	34				28.4
Rhyolite	Maximum	...	...	...	60	54	60	55	57	55	54	52	52	54	58	62	54	56	55	53	50	42	47	53	53	55	58	55	55				54.4
	Minimum	...	...	...	28	28	33	42	34	32	28	25	32	36	38	38	30	42	41	38	34	28	32	38	32	39	41	45	39				34.9
Sand Pass	Maximum	52	49	46	43	48	51	55	49	45	38	38	47	46	44	45	54	50	51	53	46	45	48	49	45	50	47	54	46				47.6
	Minimum	32	33	32	31	19	28	27	36	31	29	30	23	18	16	20	29	34	34	30	32	21	30	34	35	30	31	23	32				28.6
Searchlight	Maximum	54	45	48	52	50	50	58	60	60	52	50	52	52	56	56	50	58	58	52	48	46	56	54	57	53	58	56	56				53.5
	Minimum	38	42	30	31	36	37	36	36	39	42	42	35	36	38	42	44	39	40	41	36	30	32	35	40	40	40	36	36				37.5
Sharp	Maximum	48	36	40	42	42	45	47	47	38	42	42	40	47	49	48	41	46	47	48	46	46	41	49	44	45	42	45	45				44.2
	Minimum	18	28	16	7	16	18	11	11	19	21	29	9	8	19	12	21	32	28	29	28	34	15	18	29	30	18	10	20				20.2
Tonopah	Maximum	39	38	35	39	41	41	44	45	39	44	34	36	39	49	47	39	44	43	40	34	30	36	41	39	42	39	42	44				40.1
	Minimum	31	27	24	26	28	30	28	31	30	34	24	23	25	30	34	31	33	32	32	21	16	24	29	30	30	28	25	31				28.1

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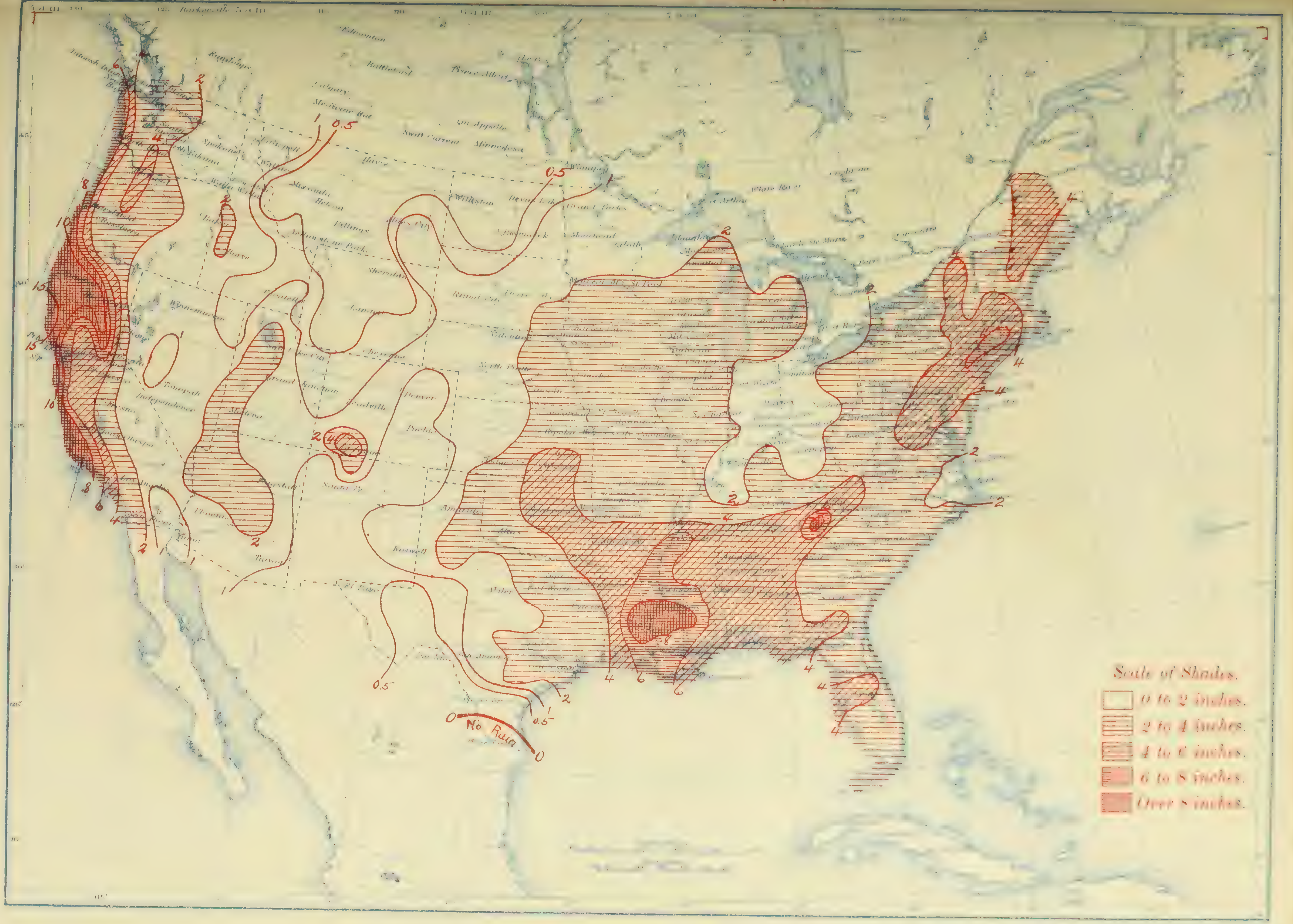
a, b, c, etc., indicates respectively 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Total Precipitation, inches, February, 1915.



Snowfall in the elevated regions of Nevada Section, February, 1915.

February was noteworthy for its frequent and heavy snows. The snowfall was considerably above the normal, particularly in the Sierras. At 8 out of 10 stations in the Truckee, Carson, and Walker basins more precipitation occurred in February than had occurred in the five preceding months of the current season put together, and by the close of the month the seasonal deficiency had been reduced appreciably, though not entirely offset. In the Lake Tahoe section there was some interruptions to the mail service but these were of short duration. At the close of the month the condition of the snow on the ground was reported as loose and favorable for early melting.

In the Truckee Basin the snowfall ranged from 78.0 to 106.5 inches, the average for 8 stations being 85.4 inches; this is 254 per cent more than the normal. The average precipitation was 7.89 inches. For the season, September 1 to February 28, the average precipitation for 5 stations was 15.30 inches, or 78 per cent of the normal. At the Lily Lake, Grass Lake, Glen Alpine, Lusie Lake, Gilmore and Lucile Lake stations, (elevations, 6,500 to 8,800 feet) the depth of snow on the ground at the close of February ranged from 6.2 feet at the lower to 10.0 feet at the higher levels. Tahoe was at a stage of 7.62 feet, which was 0.6 foot higher than on January 29th.

In the Carson Basin the snowfall for February, two stations reporting, averaged 69 inches or 393 per cent more than the normal, and the average precipitation was 7.72 inches. For the season, September 1 to February 28, there was an average of 12.16 inches of precipitation; this is about 80 per cent of the normal. At the close of February the snow cover was 8 inches in depth at Woodfords and 16 inches at Markleeville.

In the Walker Basin, 3 stations reporting, the average snowfall was 17.6 inches, or 34 per cent more than the normal. The average precipitation for the month was 2.71 inches, and for the season, September 1 to February 28, it was 4.30 inches, which is about 58 per cent of the normal. It will be noted that in spite of the copious precipitation of February the seasonal deficiency is still a large one. On February 28th the snow cover was 10 inches deep at Bridgeport; at Shields Ranch and Smith the snow had disappeared.

In the Humboldt Basin, 9 stations reporting, the snowfall for February averaged 11.6 inches; this is 57 per cent more than the normal. More than 30 inches of snow fell at North Fork, Elko County. The average precipitation for February was 1.33 inches; for the season, September 1 to February 28, it was 4.05 inches; this is 70 per cent of the normal. By the close of the month the snow had disappeared at most stations. At North Fork, however, the snow cover was 18 inches deep.

Precipitation data, in inches and hundredths, for February, 1915. and for the past 5 seasons, September to February, for each of the drainage basins, are given in the tables below.

The average precipitation, in inches an hundredths, for each of the drainage basins, for September 1st to February 28th, for each of the past five seasons is given in the following tables:

COMPARATIVE SEASONAL PRECIPITATION.

Years.	Truckee Basin.	Carson Basin.	Walker Basin.	Humboldt Basin.
Precipitation from September 1, 1910, to February 28, 1911..	32.83	20.99	7.38	6.08
Precipitation from September 1, 1911, to February 28, 1912..	7.65	5.34	1.05	3.90
Precipitation from September 1, 1912, to February 28, 1913..	13.10	10.98	4.22	5.54
Precipitation from September 1, 1913, to February 28, 1914..	30.99	26.70	14.96	6.26
Precipitation from September 1, 1914, to February 28, 1915..	15.30	12.16	4.30	5.04

SNOWFALL.

Stations.	Counties.	Total snowfall during February.	Total precipitation during February.	Depth of snow on the ground February 15.	Depth of snow on the ground February 28.	Total precipitation September 1 to February 28.	Average precipitation Sept. 1, to Feb. 28, (1911-1914).	Departure from 4 years average.
Truckee Basin.								
Bijou	Eldorado	89.0	8.91	40.0	34.0	....	14.81	....
Cathedral Park	Eldorado	97.5	7.68	77.0	68.0	....	29.95	....
Glenbrook	Douglas	80.0	6.89	29.0	24.0	....	15.32	....
Hobart Mills	Nevada	97.0	7.62	38.0	35.0	14.30	19.44	−5.14
Lewer's Ranch	Washoe	34.0	3.70	....	7.0	8.60	14.19	−5.59
McKinney	Placer	106.5	9.65	50.0	54.0	18.02	....	....
Marlette Lake	Douglas	101.0	8.39	....	70.0	13.83	....	....
Tahoe	Placer	78.0	10.29	....	....	21.73	23.67	-1.94
Tallac	Eldorado	....	....	....	....	....	18.15	....
Carson Basin.								
Markleeville	Alpine	58.0	6.53	30.0	16.0	11.73	15.83	−4.10
Woodfords	do	80.0	8.92	14.0	8.0	12.58	14.53	−1.95
Walker Basin.								
Bridgeport	Mono	28.5	3.01	16.0	10.0	5.11	8.83	−3.72
Shield's Ranch	do	17.5	3.44	7.0	0.0	4.92	7.48	−2.56
Smith	Lyon	6.8	1.67	0.0	0.0	2.28	4.96	−2.68
Humboldt Basin.								
Arthur	Elko	15.0	2.40	0.0	2.0	7.62	8.45	−0.83
Beowawe	Lander	2.5	0.50	0.0	0.0	3.33	4.13	−0.80
Dry Farm	Elko	10.0	1.22	....	....	3.24	6.37	−3.13
Eureka	Eureka	23.0	1.06	1.5	0.5	3.06	5.78	−2.72
Halleck	Elko	3.0	0.30	0.0	0.0	1.99	3.29	−1.30
Hylton	do	4.5	1.35	0.0	0.0	4.53	6.49	−1.96
Jack Creek	do	....	....	....	....	....	....	....
Metropolis	do	5.0	0.46	0.0	0.0	2.02	6.35	−4.33
Millett	Nye	....	....	....	....	....	3.20	....
North Fork	Elko	30.5	3.54	11.0	18.0	7.35	6.20	+1.15
Wells	Elko	....	....	....	....	....	3.91	....
Winnemucca	Humboldt	4.0	1.13	0.0	0.0	3.32	4.79	−1.47

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U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

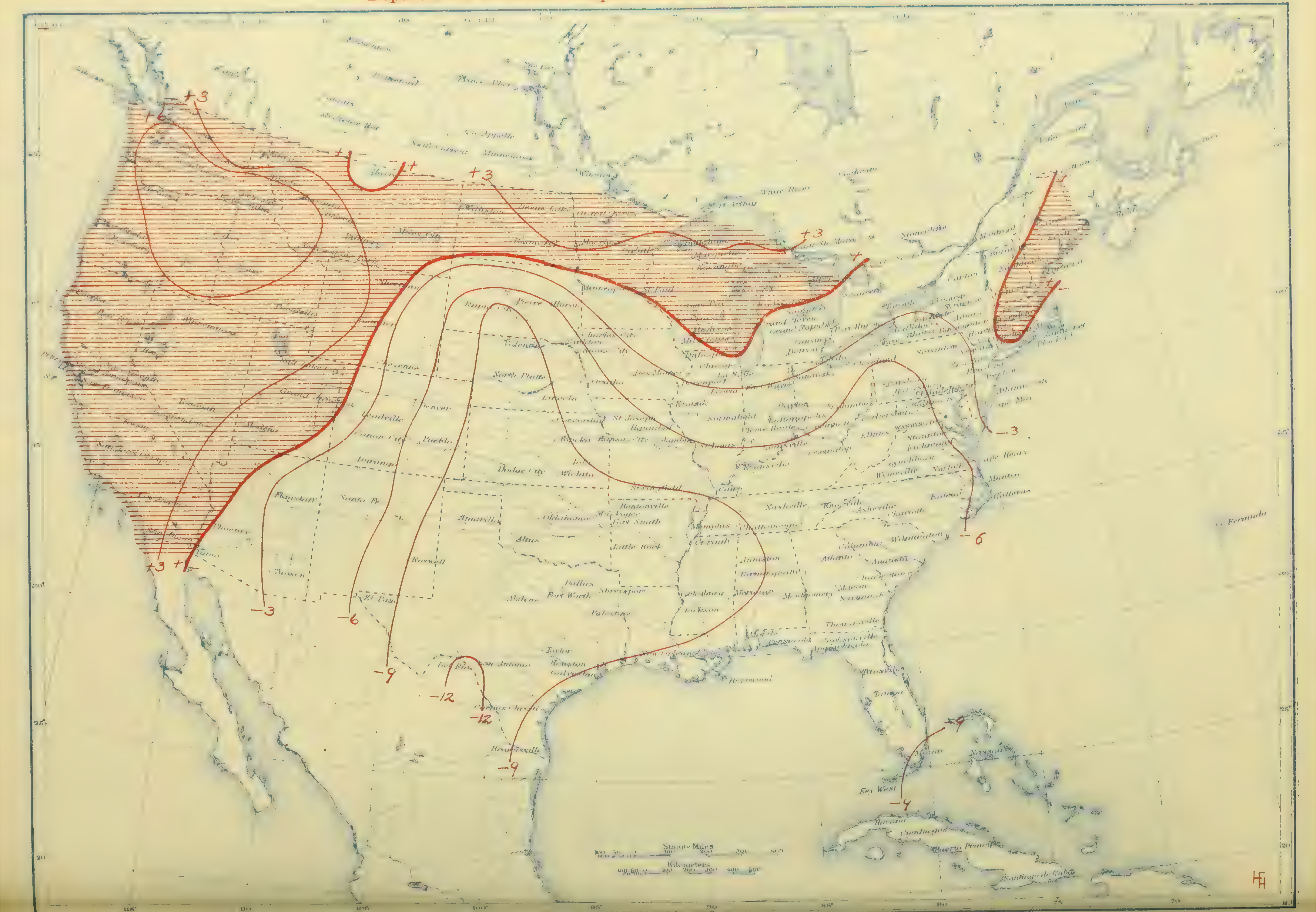
NEVADA SECTION

MARCH, 1915

BY
HENRY F. ALCIATORE
SECTION DIRECTOR

RENO, NEV.
WEATHER BUREAU OFFICE
APRIL 26, 1915.

Departure of the Mean Temperature from the Normal, March, 1915.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALCIATORE, Section Director.

Vol. XXX. Reno, Nevada, March, 1915. No. 3.

GENERAL SUMMARY.

Considered as a whole the month was unusually mild and dry, though no records were broken. The day temperatures were high, the highest occurring in most localities between the 21st and 23d. Some low temperatures were recorded between the 5th and 7th, the thermometer dropping to 5 degrees below zero at Gold Creek on the 6th. However, the extremes were within the limits of previous years. The mean temperature was above normal everywhere, particularly in the Colorado basin. The warm weather in the latter part of the month caused premature budding of fruit trees in some sections. At Reno, an apricot tree began to bloom on the 21st; this is unusually early. In the Moapa Valley the asparagus crop began to move marketward about the 15th. Alfalfa in Clark County showed a vigorous growth. Livestock has wintered well; sheep shearing made rapid progress. The snow in the mountainous districts melted rapidly and streams began to rise. At Reno the Truckee River rose from a stage of 1.4 feet on the 10th to 2.3 feet on the 26th, and the water was turbid. The precipitation was below normal in all districts except the Walker Basin, the deficiencies ranging from 34 to 75 per cent. The most marked deficiency occurred in the Columbia Basin. In the Walker Basin there was a slight excess. Most of the month's precipitation occurred during the early part of the first, and the latter part of the third decades. Snow fell at 34 out of 50 stations, the amounts recorded ranging from a trace to 18 inches. The average fall for the State was 2.8 inches, which is about 41 per cent of the normal.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 40 stations, was 42.8 degrees. The mean for the 27 stations having ten or more years record was 3.0 degrees above the normal. The highest recorded was 89 degrees, at Logan on the 31st; the lowest was —5 degrees at Gold Creek on the 6th. The greatest daily range was 60 degrees at Imlay on the 23d. The highest monthly mean was 58.0 degrees at Logan; the lowest was 31.0 degrees at Gold Creek.

PRECIPITATION.

The average for 50 stations reporting was 0.45 inch. For the 28 stations having ten or more years record, the mean was 0.64 inch below the normal. The average amount at 3 stations in the Columbia Basin was 0.29 inch; at 17 stations in the Humboldt Basin, 0.34 inch; at 10 stations in the Truckee Basin, 0.89 inch; at 5 stations in the Carson Basin, 0.45 inch; at 5 stations in the Walker Basin, 0.37 inch; at 2 stations in the Colorado Basin, 0.30 inch; at 17 stations in the minor basins, 0.59 inch. The greatest monthly fall was 2.67 inches at Lida; the least was a trace at Carlin and Sulphur. The average number of days with precipitation for the State was 3.

SUNSHINE AND CLOUDINESS.

At Reno 67 per cent of the possible sunshine was recorded; at Winnemucca, 71 per cent; at Tonopah, 73 per cent. For the State, the average number of clear days was 16; partly cloudy, 8; cloudy, 7.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric Pressure (sea level)			Mean relative humidity		Wind			
	Mean.	Highest.	Lowest.	5 a. m.	5 p. m.	Average hourly velocity	Maximum velocity.		
							Miles per hour	Direction.	Date.
Reno	30.06	30.49	29.60	72	33	6.4	29	w	25
Winnemucca	30.07	30.45	29.45	71	36	6.2	31	w	28
Tonopah	30.01	30.38	29.49	60	41	7.8	36	nw	18

MISCELLANEOUS PHENOMENA.

Solar Halos.—16th, 23d.
Lunar Halos.—5th, 26th, 27th, 28th, 29th.
Thunderstorms.—1st, 4th.
Brisk winds.—2d, 3d, 5th, 18th, 24th, 25th, 28th, 29th.

COMPARATIVE DATA FOR MARCH.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	44.1	85	12	1.45	1.7	5	14	8	9	s
1890	39.0	82	−15	1.71	7.0	6	13	8	10	s
1891	38.9	78	2	1.55	6.7	6	10	10	11	sw
1892	40.3	78	2	1.81	12.8	8	9	11	11	w
1893	35.9	85	−21	1.90	15.6	7	8	9	14	s
1894	38.4	88	−13	1.02	9.1	5	9	4	18	sw
1895	37.7	80	−23	0.82	5.2	4	14	9	8	w
1896	39.4	90	−18	1.15	7.1	6	10	9	12	w
1897	30.9	80	−19	1.39	13.3	7	9	9	13	w
1898	35.0	79	−10	0.63	6.8	4	14	9	8	w
1899	38.6	79	4	1.83	5.7	7	9	8	14	sw
1900	44.2	81	3	0.51	3.3	3	17	5	9	sw
1901	38.9	90	0	0.59	4.8	4	15	7	9	w
1902	35.2	69	0	1.47	10.3	6	11	8	12	sw
1903	38.7	90	− 8	1.41	9.2	5	12	7	12	s
1904	39.7	80	0	1.69	5.7	8	8	8	15	sw
1905	41.8	82	3	1.43	2.4	6	12	6	13	sw
1906	38.5	83	−15	1.68	6.8	7	10	9	12	w
1907	38.3	83	−10	2.66	20.5	8	6	10	15	s
1908	40.7	91	− 6	0.30	2.8	2	16	10	5	w
1909	38.8	80	−10	0.67	5.4	4	12	11	8	w
1910	45.9	88	10	0.17	0.6	2	16	8	7	sw
1911	42.7	93	3	1.21	5.3	6	15	7	9	s
1912	37.3	78	− 1	1.17	10.3	6	11	10	10	w
1913	37.2	91	−15	0.35	4.4	3	14	9	8	w
1914	44.4	87	4	0.19	1.8	2	20	7	4	s
1915	42.8	89	− 5	0.45	2.8	3	16	8	7	w
Entire period	39.4	93	−23	1.16	6.9	5	12	8	11	w

LATE REPORTS.

January, 1915.—Tahoe, Cal., mean temperature, 26.6 degrees; highest, 46 degrees on the 2d; lowest, 3 degrees on the 23d; total precipitation, 5.18 inches; total snowfall, 42.0 inches; days with precipitation, 12; clear, 15; partly cloudy, 3; cloudy, 13;

February, 1915.—Tahoe, Cal., mean temperature, 28.8 degrees; highest, 46 degrees on the 7th; lowest, 2 degrees on the 21st; total precipitation, 10.68 inches; total snowfall, 97.0 inches; days with precipitation, 12; clear, 4; partly cloudy, 6; cloudy, 18. Sulphur, Humboldt County, total precipitation, 0.79 inch; total snowfall, 12.5 inches; days with precipitation, 3; clear, 7; partly cloudy, 17; cloudy, 4.

CORRECTIONS.

February, 1915.—Page 12, Arthur, precipitation, total should be 2.30, and departure, plus 1.01. Page 13, Arthur, 10th, should be 0.30; total should be 2.30.

Climatological data for March, 1915.

Stations.	Counties.	Elevation, feet.	Temperature, in degrees Fahr.								Precipitation, in inches.					Number of days				Prevailing direction of the wind.	Observers.
			Length of record, years.	Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted.)	With precipitation (0.01 inch or more.)	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek	Elko	6,600	2	31.0	......	57	21	−5	6	43	2	0.46	......	0.30	4.0	4	15	10	6	n	Forest Supervisor.
Jack Creek**	do	6,300	...	......	......						2									......	C. E. Butler.
Owyhee	do	5,400	4	37.8	......	66	23	10	7	41	4	0.35	......	0.25	1.0	2	......				Indian Service.
San Jacinto	do	5,200	10	37.2	+1.0	65	†22	11	6	47	10	0.05	−0.86	0.05	0	1	18	10	3	w	J. S. Parmley.
Humboldt Basin.																					
Arthur	Elko	6,500	...								5	0.40	−0.54	0.40	4.0	1	22	7	2	......	Isaac Woodhouse.
Austin	Lander	6,594	26	38.6	+3.3	67	22	16	4	33	26	0.94	−0.56	0.40	6.9	5	23	7	1	......	Forest Service.
Battle Mountain	do	4,513	44	48.0	+6.6	85	23	18	18	54	46	0.20	−0.48	0.20	0	1	21	5	5	......	Southern Pacific Co.
Beowawe	Eureka	4,695	44	43.2	+2.4	74	23	15	19	47	46	0.30	−0.35	0.30	0	1	24	6	1	s	Do.
Carlin	Elko	4,896	44	42.6	+6.6	64	†28	30	†4	32	44	T.	−0.86	T.	T.	0	20	8	3	......	Western Pacific Co.
Clover Valley**	do	6,000	14	......	......						22	......									I. F. Wiseman.
Dry Farm**	do	5,600	3								6										Walfrid Sohlman.
Elko	do	5,063	44	39.8	+2.9	68	†22	16	†6	48	45	0.26	−0.86	0.26	0	1	13	9	9	sw	Western Pacific Co.
Eureka	Eureka	6,837	17	38.8	+1.8	69	23	8	6	40	19	0.71	−1.44	0.25	14.0	4	12	5	14	s	Clay Simms.
Golconda	Humboldt	4,392	36	46.4	+5.9	78	22	21	18	46	38	0.50	−0.07	0.40	0	2	14	0	17	w	Southern Pacific Co.
Halleck	Elko	5,229	22	36.6	+2.0	71	27	12	†6	55	46	0.10	−0.87	0.10	1.0	1	......				Do.
Hylton	do	7,081	...								5	0.64	......	0.35	1.5	3	16	13	2	......	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	2	41.4	+1.2	75	23	15	23	60	2	0.17	−0.38	0.10	0	4	12	0	19	......	Southern Pacific Co.
Lovelocks	do	3,977	21	......	......						19										High School.
Metropolis §	Elko	5,761	2								6	0.06	−1.09	0.03	0	2					O. M. Lloyd.
North Fork	do	6,500	...								6	0.14	......	0.09	2.0	2	13	5	13	w	Chas. Pratt.
Paradise Valley ††	Humboldt	4,500	2	41.2	......	71	22	16	†8	49	6	0.24	......	0.20	1.9	3	13	7	11	sw	R. M. Taylor.
Potts	Nye	6,002	22	35.3	+2.0	60	25	12	23	46	24	0.20	−0.63	0.10	6.0	2	7	9	15	n	Miss Maud Potts.
Shafter §	Elko	5,583	2								2										Geo. Kernan.
Tecoma	do	4,812	37	34.4	−2.8	70	†22	2	6	58	39	0.02	−0.38	0.02	T.	1	9	19	3	......	Southern Pacific Co.
Wells	do	5,631	43	36.7	+1.3	75	21	0	2	55	46	0.59	−0.56	0.19	2.2	5	14	13	4	......	Do.
Winnemucca	Humboldt	4,344	36	43.2	+3.6	73	22	18	19	50	46	0.49	−0.46	0.36	0.7	4	12	6	13	ne	U. S. Weather Bureau.
Truckee Basin.																					
Fernley	Lyon	4,150	42	45.0	+3.2	78	†27	17	8	53	46	0.24	−0.17	0.14	T.	3	19	5	7	......	Mrs. G. A. Steele.
Glenbrook	Douglas	6,240	6	36.3	......	60	23	7	5	44	6	0.42	......	0.30	4.2	3	9	13	9	w	C. C. Henningsen.
Lewers Ranch**	Washoe	5,500	27	44.5	+4.3	75	22	20	5	45	28	0.55	−3.37	0.55	T.	2	9	18	4	......	Ross Lewers.
Marlette Lake**	do	7,900	...	......	......						2	2.02	......	0.80	15.0	5	13	0	18	e	V. & G. H. Water Co.
Reno	do	4,532	28	45.0	+4.0	76	22	24	8	44	28	0.16	−1.06	0.09	T.	4	11	10	10	w	U. S. Weather Bureau.
Bijou, Cal.		6,230	...								6	1.02	......	0.79	6.0	2	9	10	12	n	Chas. Young.
Cathedral Park, Cal.**		6,400	3	41.8	......	63	23	20	5	36	3	1.09	......	0.63	10.5	6	9	9	13	s	Carl Fluegge.
Hobart Mills, Cal.		5,900	...								6	0.96	......	0.83	7.0	4	11	9	11	s	S. E. Patterson.
McKinney, Cal.		6,225	6	......							6	1.33	......	1.01	12.0	8	17	5	9	nw	Fred Jensen.
Tahoe, Cal.		6,240	7	34.4	......	58	21	11	5	38	7	1.08	......	0.65	9.0	2	10	9	12	......	Mrs. Northrup A. Pomin.
Tallac, Cal.		6,230	...								6	......								......	W. D. Butt.
Carson Basin.																					
Fallon	Churchill	3,965	21	44.4	+3.1	74	22	21	8	46	21	0.57	+0.09	0.40	2.8	3	20	7	4	sw	U. S. Experiment Station.
Gardnerville	Douglas	4,830	24	43.2	+1.2	71	†22	21	†5	49	25	0.45	−0.96	0.28	0	2	......			nw	Forest Service.
Lahontan	Churchill	4,200	3	46.6	......	74	23	28	†5	29	5	0.07	......	0.06	0	2	8	14	9	w	U.S. Reclamat'n Service.
Markleeville, Cal.		5,525	...								6	0.56	......	0.44	4.0	3	11	13	7	s	Mrs. Mary Thornburg.
Woodfords, Cal.		5,634	...								6	0.60	......	0.30	5.5	3	20	7	4	sw	Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	8	45.5	+1.2	75	26	22	2	44	19	0.50	+0.27	0.50	5.0	1	24	0	7	......	Southern Pacific Co.
Smith	Lyon	4,800	...								7	0.20	......	0.08	0	3	19	7	5	sw	C. M. Carter.
Thorne §	Mineral	4,200	2	......							2	......								......	Southern Pacific Co.
Yerington §	Lyon	4,375	6	43.4	+1.0	74	22	18	6	48	6	0.26	−0.19	0.19	2.0	2	13	8	10	sw	High School.
Bridgeport, Cal.		6,500	2	30.2	......	56	†24	0	5	42	4	0.46	......	0.28	3.8	3	......			......	A. F. Scott.
Shields Ranch, Cal.**		5,300	...								6	0.41	......	0.22	T.	3	11	10	10	......	Frank W. Chichester.
Colorado Basin.																					
Caliente §	Lincoln	4,407	5	......							5	......								......	Salt Lake Route.
Indian Springs §**	Clark	3,136	2	......							2	......								......	Ira McFarland.
Lake Valley**	Lincoln	6,200	2	......							2	......								......	Valley View Farm'g Co.
Las Vegas	Clark	2,033	13	57.4	+6.0	86	†23	32	6	43	13	0.40	+0.19	0.25	0	2	19	11	1	s	C. P. Squires.
Logan §	do	1,355	8	58.0	+3.0	89	31	33	6	44	16	0.20	−0.52	0.20	0	1	21	7	3	......	Experiment Farm.
Minor Basins.																					
Cherry Creek	White Pine	6,450	7	38.8	......	65	†22	11	6	37	7	0.48	......	0.38	8.5	3	12	10	9	w	J. H. Leishman.
Columbia**	Esmeralda	5,700	8	42.4	......	70	†23	18	6	38	10	0.99	......	0.49	16.0	3	11	10	10	nw	A. Booth.
Gerlach	Washoe	3,931	3	44.5	......	74	22	23	†5	49	3	0.31	......	0.10	T.	4	14	10	7	ne	Western Pacific Co.
Jean	Clark	2,864	7	53.5	......	82	†23	26	6	47	8	0.20	......	0.20	0	1	20	6	5	w	Salt Lake Route.
Jungo	Humboldt	4,165	...								2	0.29	......	0.26	0	3	17	3	11	sw	Western Pacific Co.
Lida §	Esmeralda	6,037	3	[f]39.6	+3.0	[f]70	23	[f]10	3	[f]37	3	2.67	0.00	2.14	18.0	2	22	3	6	nw	L. F. Detwiler.
McDermitt	Humboldt	4,700	25	43.1	+5.0	72	22	21	19	38	25	0.24	−0.99	0.15	T.	2	21	4	6	sw	U. S. Indian Service.
McGill §	White Pine	6,338	5	40.2	+6.2	68	22	13	†6	39	5	0.18	−1.14	0.12	1.5	3	27	1	3	s	R. E. Middagh.
Millett	Nye	5,040	7	40.0	......	71	23	11	19	54	8	0.15	......	0.15	1.5	1	12	8	11	......	Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	3	42.2	+1.5	80	24	21	6	55	3	0.70	+0.33	0.50	7.0	2	25	2	4	n	Arthur L. Stewart.
Pahrump**	Nye	2,668	2	......							2	......								......	F. A. Buol.
Quinn River Ranch**	Humboldt	4,850	13	......							14	......								......	F. M. Payne.
Rebel Creek	do	4,300	3	44.9	......	72	23	22	5	39	4	0.91	......	0.51	1.5	6	12	7	12	sw	Mrs. E. J. Hyatt.
Rhyolite	Nye	3,680	2	......	......	78	23	......			2	0.88	......	0.65	1.0	3	21	8	2	s	Secretary School Board.
Sand Pass	Washoe	4,198	2	46.0	......	78	22	23	5	45	2	0.25	......	0.14	0	3	13	6	12	se	R. R. Mott.
Searchlight	Clark	3,445	2	53.6	......	73	20	32	2	24	2	0.45	......	0.18	T.	4	18	6	7	n	C. L. Aug. Mahn.
Sharp ††	Nye	6,200	2	38.6	......	67	†23	9	†4	40	2	1.30	......	0.80	9.0	3	14	14	3	w	F. A. Sears.
Sulphur	Humboldt	4,044	2			......	......	16	1	...	2	T.	......	T.	0	0	7	19	5	......	Western Pacific Co.
Tonopah	Nye	6,090	10	42.6	......	66	22	22	5	26	10	0.99	......	0.55	9.5	3	11	14	6	w	U. S. Weather Bureau.
Vya	Washoe	......	2	......							2	0.39	......	0.15	1.3	7	18	12	1	sw	W. N. Lord.
For the State		......	......	42.8	+3.0	89	31	−5	6	60	....	0.45	−0.64	2.14	2.8	3	16	8	7	w	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used i determining section or division means. § Normals based on data from nearby stations with long records.

** Post office addresses of these stations are as follows: Of Jack Creek, Tuscarora; of Clover Valley, Wells; of Dry Farm, Lamoille; of Lewers Ranch, Franktown; of Marlette Lake, Virginia City; of Cathedral Park, Tallac, Cal.; of Shield's Ranch, Coleville, Cal.; of Indian Springs, Las Vegas; of Lake Valley, Pioche; of Columbia, Goldfield; o Oasis Ranch, Oasis, Cal.; of Pahrump, Shoshone, via Tecopa, Cal.; of Quinn River Ranch, Amos.

Reference letters a, b, c, appearing in the table indicate number of days missing, for example, b represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for March, 1915.

Stations.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Columbia Basin.																																
Gold Creek		T.		*	.30							T.	.10												T.			.06				0.46
Jack Creek																																
Owyhee			.10																								[illegible]					[illegible]
San Jacinto																											[illegible]					[illegible]
Humboldt Basin.																																
Arthur				.40							T.																				T.	0.40
Austin ‖	.26	.09		.01																						.18		.10				0.54
Battle Mountain ‖																										T.		.20				0.20
Beowawe ‖																												.30				0.30
Carlin																													T.			T.
Clover Valley																																
Dry Farm																																
Elko																												.26				0.26
Eureka	.06	.15		.25					T.																	T.		.25				0.71
Golconda	.40			.10																												0.50
Halleck					.10								T.																			0.10
Hylton				.15								T.	.14																.35		T.	0.64
Imlay	.05	.10		.01																								.01				0.17
Lovelocks																																
Metropolis				T.	.03							T.	T.															T.	.03	T.	T.	0.06
North Fork				.09																									.05			0.14
Paradise Valley	.20	T.		.03						T.		T.													T.		.01	T.			T.	0.24
Potts	T.	.10			T.					T.																			.10			0.20
Shafter										T.																						
Tecoma													.02																			0.02
Wells				.05	.02						.15											.19					.18					0.59
Winnemucca***	.27			.06					T.			T.	T.															.15			.01	0.49
Truckee Basin.																																
Fernley	.07																											.14		.03		0.24
Glenbrook	.10								.02																	T.		.30				0.42
Lewers Ranch																												*	.55			0.55
Marlette Lake ‖	.74	.11								.27																			.80	.10		2.02
Reno ***	.02								T.	.01		T.														T.		.09		.04		0.16
Bijou, Cal	.23								T.																			.79				1.02
Cathedral Park, Cal	.18								.09																.03			.63	.08	.08		1.09
Hobart Mills, Cal	T.	T.							.04	T.		T.																.83	.08	T.	.01	0.96
McKinney, Cal	.03								.09	.06		.01	.02															1.01	.10	.01		1.33
Tahoe, Cal	.43								T.	T.		T.														T.		.65	T.			1.08
Tallac, Cal																																
Carson Basin.																																
Fallon	.40	.04																										.13				0.57
Gardnerville	.17																											.28				0.45
Lahontan ‖	.01																											.06		T.		0.07
Markleeville, Cal	.06	.06																										.44				0.56
Woodfords, Cal	.10																										.30	.20				0.60
Walker Basin.																																
Mina	.50																															0.50
Smith	.08	.07						T.																			.05					0.20
Thorne									T																							
Yerington	.19	T.																							T.			.07				0.26
Bridgeport, Cal	.10	.08																										.28				0.46
Shields Ranch, Cal	.11	.08																										.22				0.41
Colorado Basin.																																
Caliente																																
Indian Springs																																
Lake Valley																																
Las Vegas	.25									.15																		T.				0.40
Logan	.20																															0.20
Minor Basins.																																
Cherry Creek	.38				.07								.03																			0.48
Columbia	.49	.33							T.																				.17			0.99
Gerlach	.10											.05																.10			.06	0.31
Jean	.20																															0.20
Jungo	.26				.02																							.01				0.29
Lida		2.14																										.53				2.67
McDermit	.15			.09																												0.24
McGill	.12			.01									T.															.05				0.18
Millett	.15																															0.15
Oasis Ranch	.50	.20																														0.70
Pahrump																																
Quinn River Ranch																																
Rebel Creek	.51	.05		.05						T.			.05											T.				T.	.23		.02	0.91
Rhyolite	.65	.12							T.																			.11				0.88
Sand Pass	T.											.02															T.	.09			.14	0.25
Searchlight	.10	.02							.18	.15																	T.					0.45
Sharp	.80	.15	T.						T.	T.																			.35			1.30
Sulphur	T.																														T.	T
Tonopah***	.47	.12								T.																		.40				0.99
Vya	.04	T.							.03		.04	.01												T.	T.		.15	.07		.05		0.39

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight.

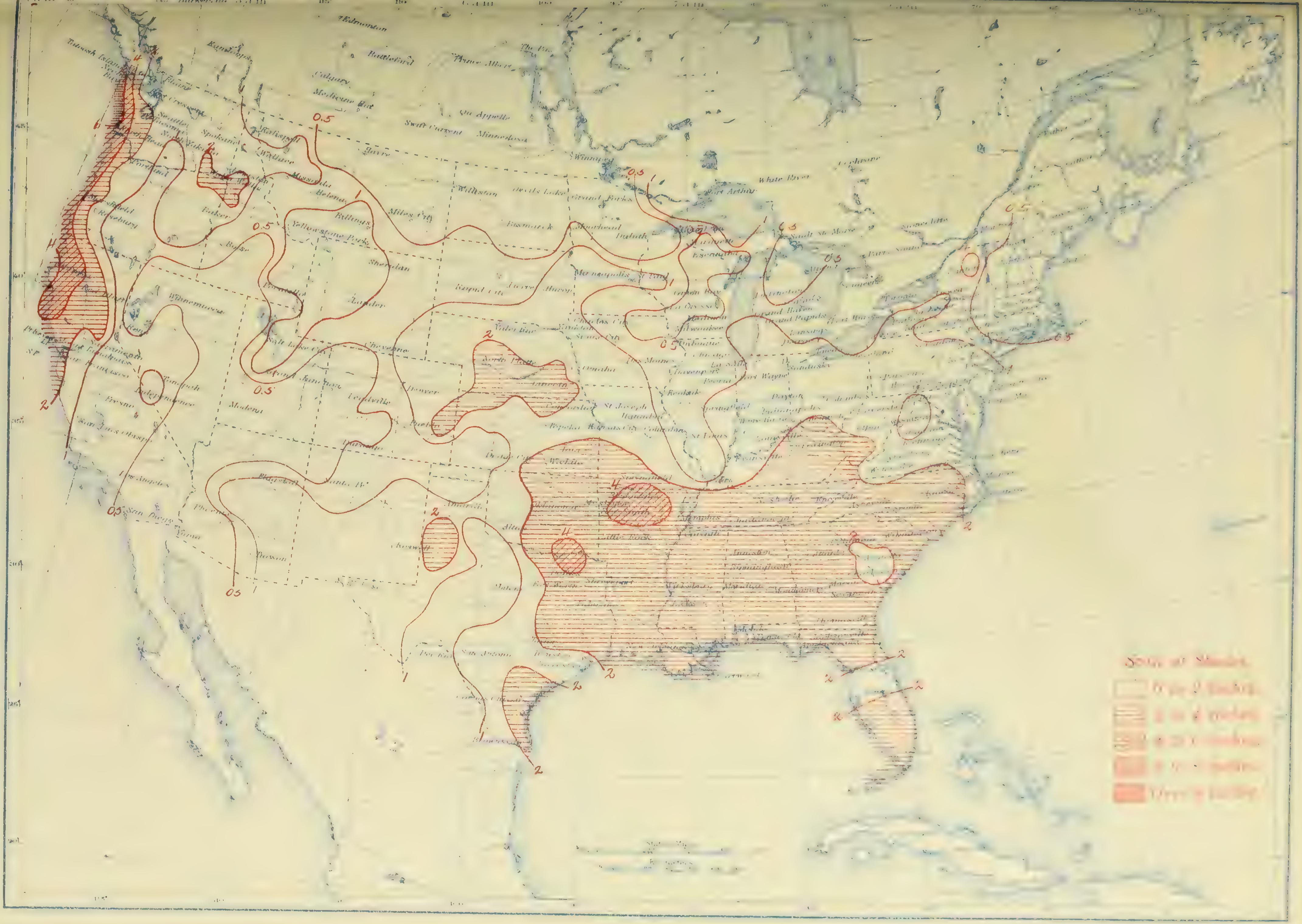
‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

T, Trace, or less than 0.01 inch.

Daily temperatures for March, 1915.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek	Maximum..	41	37	34	32	32	38	39	42	46	45	46	43	38	48	40	52	47	43	39	50	57	53	55	48	47	51	48	55	48	49	46	44.8
	Minimum ..	21	25	25	3	15	-5	-3	0	5	5	9	17	26	14	23	14	12	20	10	10	17	20	24	29	25	30	32	30	27	28	26	17.2
Owyhee	Maximum..	40	40	40	40	41	42	38	40	44	48	47	46	44	53	53	54	57	54	46	54	60	60	66	59	53	56	53	60	45	50	52	49.5
	Minimum ..	26	24	25	25	23	22	10	15	16	21	23	30	33	29	26	23	24	22	20	22	24	24	25	35	37	34	32	39	30	35	33	26.0
San Jacinto	Maximum..	42	41	38	40	39	37	42	46	49	50	50	47	48	56	54	55	59	51	48	55	62	65	61	58	62	59	65	58	56	59	54	51.8
	Minimum ..	27	24	22	20	13	11	12	14	18	15	12	19	25	21	29	32	27	30	15	15	17	18	20	29	30	33	29	36	32	30	26	22.6
Humboldt Basin.																																	
Austin	Maximum..	35	36	41	42	36	41	41	44	45	46	49	46	49	57	59	58	61	48	53	57	62	67	...	64	50	49	57	52	44	48	54	49.7
	Minimum ..	24	25	19	16	18	21	21	23	25	25	28	30	29	33	30	33	28	21	25	28	32	37	...	37	31	32	35	22	31	31	34	27.5
Battle Mountain §§	Maximum..	56	52	62	57	55	57	50	60	61	67	60	62	63	70	77	75	73	70	68	70	78	80	85	76	70	65	69	72	55	70	63	66.1
	Minimum ..	33	28	25	20	23	26	23	22	25	22	28	38	28	21	23	30	39	18	24	29	26	30	40	45	39	39	40	35	35	39	38	30.0
Beowawe §§	Maximum..	45	45	45	47	50	51	53	50	54	57	58	53	56	62	65	64	68	65	55	65	70	72	74	66	61	60	66	68	52	55	60	58.5
	Minimum ..	30	29	22	20	21	23	22	23	22	19	29	35	25	27	28	22	35	20	15	20	27	25	35	52	32	30	40	32	35	33	34	27.8
Carlin	Maximum..	40	42	47	40	38	38	42	45	47	49	42	38	45	47	49	50	56	52	60	61	62	60	63	62	62	60	62	64	62	64	62	52.0
	Minimum ..	34	35	32	30	30	32	34	33	34	36	31	30	32	33	32	33	35	35	30	32	33	34	33	33	35	37	34	32	30	35	40	33.1
Elko	Maximum..	47	45	45	43	44	40	46	46	50	52	52	52	50	60	58	62	60	63	60	59	65	68	68	65	63	63	62	58	52	53	53	55.0
	Minimum ..	33	27	31	29	25	16	17	17	18	20	17	22	27	20	20	19	17	34	19	16	19	20	24	29	36	30	32	32	32	32	36	24.7
Eureka	Maximum..	40	38	39	42	39	41	42	45	47	49	50	47	48	59	60	58	60	51	51	58	64	67	69	66	55	59	61	59	49	52	57	52.3
	Minimum ..	28	25	24	17	18	8	18	18	20	22	21	25	28	25	31	25	25	27	18	21	25	27	30	30	36	34	33	40	18	31	34	25.2
Golconda	Maximum..	48	48	48	50	46	45	50	52	55	58	62	60	65	68	70	67	75	58	64	64	74	78	72	70	72	68	70	58	58	64	68	61.5
	Minimum ..	33	29	30	25	28	25	26	22	24	25	30	32	36	30	25	32	35	21	30	25	28	32	38	40	40	44	36	38	38	37	38	31.4
Halleck	Maximum..	36	42	40	42	38	45	35	46	42	43	52	54	50	53	50	57	65	48	52	55	64	70	70	67	61	62	71	62	68	70	70	54.2
	Minimum ..	32	25	20	17	20	12	12	16	12	14	15	21	30	28	22	24	14	12	14	15	12	15	20	18	20	24	18	14	20	23	26	18.9
Imlay	Maximum..	48	45	42	51	45	46	41	42	44	46	45	48	51	52	55	57	55	56	59	64	72	70	75	72	67	60	60	55	59	58	57	54.7
	Minimum ..	29	32	34	29	18	23	26	20	22	23	24	22	29	28	32	30	28	18	17	26	27	28	15	35	35	42	41	40	33	33	30	28.0
Paradise Valley	Maximum..	46	45	47	41	42	44	47	50	52	54	55	52	54	62	61	65	66	58	58	63	70	71	70	67	57	61	63	70	52	58	58	56.7
	Minimum ..	31	34	22	24	21	19	25	16	18	22	21	23	32	26	27	17	24	29	16	18	21	23	27	32	37	36	32	35	30	28	28	25.6
Potts	Maximum..	40	36	31	42	36	37	42	43	45	45	50	50	47	54	57	55	58	51	48	56	57	59	58	50	60	58	56	57	59	54	51	49.8
	Minimum ..	27	25	25	27	17	15	17	18	22	20	20	24	25	22	26	27	20	22	15	13	16	18	12	16	20	22	25	20	21	27	21	20.8
Tecoma	Maximum..	48	50	46	45	48	46	47	50	51	53	55	57	53	56	60	58	60	59	55	57	68	70	70	68	62	63	62	62	55	55	58	56.4
	Minimum ..	12	11	18	5	18	2	3	5	4	10	8	12	20	18	10	10	8	10	5	6	10	16	22	25	18	25	15	25	12	13	12	12.5
Welle	Maximum ..	40	39	41	38	40	39	42	45	47	48	46	44	48	52	60	62	63	65	68	71	75	68	62	69	65	71	72	69	70	67	65	56.5
	Minimum ..	3	0	2	4	6	8	5	6	3	5	7	11	19	21	10	15	17	19	20	17	20	21	22	23	20	37	38	36	35	36	38	16.9
Winnemucca	Maximum..	44	45	49	47	44	46	49	52	53	57	56	50	57	65	64	66	69	54	59	63	71	73	73	66	59	62	64	68	51	57	61	57.9
	Minimum ..	32	32	28	26	18	24	25	23	23	21	23	27	34	29	30	21	29	30	18	22	26	23	28	37	40	40	35	35	34	32	38	28.5
Truckee Basin.																																	
Fernley	Maximum..	38	40	59	57	57	51	53	52	55	56	61	58	69	68	68	68	61	63	68	70	73	78	78	71	65	66	68	64	57	63	71	62.1
	Minimum ..	32	31	24	27	20	19	20	17	23	34	22	31	34	31	26	21	39	20	19	21	23	25	47	32	36	43	34	36	25	25	24	27.8
Glenbrook	Maximum..	48	54	45	40	46	46	38	45	47	43	45	42	47	47	48	55	54	51	50	52	53	53	60	56	50	45	55	49	45	44	51	48.5
	Minimum ..	12	10	8	15	7	9	15	10	15	14	14	16	17	21	16	33	35	37	35	37	40	38	40	37	35	29	37	20	28	30	37	24.1
Lewer's Ranch	Maximum..	46	44	53	51	52	47	49	54	46	54	55	55	63	62	70	68	65	66	65	68	70	75	73	67	65	66	72	53	48	65	63	59.7
	Minimum ..	31	30	21	27	20	20	26	22	28	32	25	35	36	32	32	30	32	32	32	28	30	30	33	31	32	29	32	31	31	28	29	29.3
Reno	Maximum..	38	46	54	52	53	50	49	56	48	52	58	52	61	66	68	66	67	62	62	67	71	76	72	66	56	59	62	52	48	59	62	58.4
	Minimum ..	31	32	27	31	26	25	29	24	30	31	26	33	37	34	33	30	33	34	25	27	29	32	36	33	43	40	35	35	35	28	33	31.5
Cathedral Park, Cal.	Maximum..	53	56	57	55	53	55	54	55	55	56	54	56	55	57	60	60	55	56	60	61	60	60	63	62	55	51	56	51	50	53	...	56.1
	Minimum .	27	22	21	27	20	27	29	22	28	27	25	28	29	30	31	29	29	30	28	30	29	28	30	30	35	30	32	25	25	26	...	27.6
Tahoe	Maximum..	45	54	47	46	41	39	40	44	38	44	45	38	48	47	49	57	55	52	49	56	58	52	56	53	52	42	49	42	39	45	53	47.6
	Minimum ..	25	22	14	19	11	12	17	14	18	22	16	26	31	26	21	19	19	20	19	20	22	21	25	24	26	29	29	24	23	16	28	21.2
Carson Basin.																																	
Fallon	Maximum..	38	46	51	56	49	49	50	55	57	55	59	56	60	63	65	67	70	64	58	63	69	74	72	72	65	64	69	67	57	60	65	60.2
	Minimum ..	30	34	26	25	22	22	23	21	25	30	25	30	29	32	30	26	27	33	22	24	26	28	34	36	25	40	35	34	25	29	34	28.5
Gardnerville	Maximum..	55	48	51	57	50	48	48	53	52	51	57	54	61	...	66	66	68	63	61	64	...	71	71	71	67	58	65	...	58	57	64	59.1
	Minimum ..	29	31	24	27	21	21	23	21	25	29	21	30	32	...	26	25	28	28	22	21	...	22	32	27	44	41	29	...	32	25	30	27.4
Lahontan §§	Maximum..	38	36	42	42	44	46	48	51	52	56	53	52	62	67	61	65	66	58	55	62	67	72	74	68	58	61	57	56	56	56	58	56.1
	Minimum ..	32	32	32	32	28	28	28	28	35	34	34	38	42	42	33	37	43	36	36	36	42	46	45	45	48	46	42	32	32	38	45	37.0
Walker Basin.																																	
Mina	Maximum..	49	40	49	55	54	49	50	52	54	54	59	60	60	62	64	63	64	65	67	65	70	73	70	70	70	75	65	64	57	57	65	60.
	Minimum ..	23	22	26	26	31	26	25	26	27	32	25	30	34	32	34	32	37	34	34	30	27	29	37	36	37	31	31	43	29	32	30	30.6
Yerington	Maximum..	39	44	50	56	46	47	49	52	53	52	58	55	60	63	66	66	70	60	57	62	67	74	71	61	61	66	65	64	56	57	63	58.4
	Minimum ..	30	32	26	26	19	18	27	21	25	30	23	27	34	32	29	26	25	29	22	23	24	26	31	46	37	29	34	39	33	25	30	28.3
Bridgeport, Cal.	Maximum..	36	38	38	34	42	34	35	35	38	37	36	38	45	43	43	45	54	50	45	48	50	51	48	56	52	51	55	50	47	46	56	44.
	Minimum ..	17	26	1	7	0	6	14	4	5	15	18	15	22	15	15	10	14	22	15	12	14	14	13	21	30	30	25	28	20	21	25	15.9
Colorado Basin.																																	
Caliente	Maximum..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Las Vegas	Maximum..	54	59	66	63	63	65	63	66	65	63	70	70	75	77	82	80	77	82	74	71	71	83	86	86	76	77	78	77	73	75	80	72.5
	Minimum ..	40	36	39	36	42	32	34	35	35	43	42	38	40	40	47	50	40	42	48	42	42	42	43	47	57	52	49	45	43	45	45	42.3
Logan	Maximum..	55	58	65	64	65	65	68	70	69	66	71	72	73	77	82	80	78	80	74	77	79	83	82	86	79	79	78	78	73	76	89	73.9
	Minimum ..	42	38	37	35	38	33	39	45	39	49	36	36	41	43	45	47	42	43	44	38	41	46	40	42	46	46	43	56	40	50	45	42.
Minor Basins.																																	
Cherry Creek	Maximum..	35	34	38	40	39	37	38	41	48	47	52	53	46	54	55	56	58	55	47	52	60	65	65	62	59	60	61	62	55	54	59	51.2
	Minimum ..	22	24	26	13	22	11	18	20	19	21	22	27	32	25	30	23	24	35	17	23	25	28	30	40	47	28	31	38	29	31	35	26.3
Columbia	Maximum..	39	37	38	47	41	45	44	49	49	51	54	57	57	59	65	63	65	60	58	62	67	69	70	70	61	56	60	54	56	56	61	55.5
	Minimum ..	28	25	25	19	25	18	27	25	25	29	27	31	31	30	33	30	28	30	24	27	29	32	34	37	44	39	37	38	20	30	33	29.4
Gerlach	Maximum..	41	46	50	53	47	46	47	50	51	55	57	57	55	59	62	68	63	57	59	67	68	74	72	70	65	61	63	64	50	56	60	57.8
	Minimum ..	31	35	27	31	23	23	26	26	24	30	24	33	36	32	30	31	35	27	30	32	31	25	35	42	42	40	34	39	34	27	33	31.2
Jean	Maximum..	55	52	60	61	59	60	58	62	63	58	65	69	71	70	76	76	76	79	72	68	71	81	82	82	75	75	75	72	68	72	75	69.0
	Minimum ..	36	36	31	33	35	26	34	45	29	41	32	35	39	40	38	48	38	39	41	39	31	34	36	46	38	36	43	52	38	46	44	38.0
Lida	Maximum..	41	34	38	39	38	43	39	...	...	...	...	...	...	57	64	68	54	52	58	57	59	63	70	69	57	52	49	45	44	43	49	51.3
	Minimum ..	25	24	10	12	24	14	23	...	...	...	...	...	...	23	36	32	31	29	21	25	31	36	37	37	41	38	35	33	24	28	27	27.8
McDermit	Maximum..	44	42	46	44	46	46	51	51	54	54	53	53	61	60	62	64	65	56	55	62	70	72	70	64	57	58	66	65	49	57	57	56.0
	Minimum ..	30	32	24	27	24	23	24	26	31	30	30	32	31	30	31	30	30	25	21	27	32	35	36	30	31	35	34	34	31	30	32	29.0
McGill	Maximum..	41	37	40	40	37	40	40	45	49	50	51	53	48	57	60	56	58	55	51	55	60	68	67	64	60	61	60	58	51	54	54	52.3
	Minimum ..	30	32	34	15	22	13	18	13	22	21	21	27	34	25	31	25	25	36	20	25	30	29	31	38	46	34	35	37	29	32	38	28.6
Millett	Maximum..	45	43	49	51	44	46	50	51	57	52	54	56	58	61	65	63	69	60	57	62	67	70	71	67	62	61	63	62	52	68	62	58.0
	Minimum ..	30	26	22	17	26	12	16	14	12	13	14	19	27	18	21	17	15	37	11	14	19	17	17	32	38	27	25	36	28	29	36	22.
Oasis Ranch	Maximum..	34	33	40	44	39	46	41	47	50	50	60	50	47	62	64	60	62	59	56	62	66	70	72	80	78	69	64	64	62	60	61	56.5
	Minimum ..	30	30	27	25	27	21	27	22	23	28	31	32	27	26	30	25	25	27	27	28	24	25	26	25	43	39	35	38	22	26	23	27.9
Quinn River Ranch	Maximum..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rebel Creek	Maximum..	46	47	48	46	45	48	50	54	57	60	55	60	65	68	68	65	67	38	65	68	71	70	72	65	58	60	65	64	48	58	57	59.0
	Minimum ..	34	31	25	25	22	25	26	24	24	27	25	30	32	33	33	28	32	28	30	30	32	33	33	38	37	34	40	40	32	33	40	30.8
Rhyolite	Maximum..	56	46	58	55	56	56	55	60	58	52	63	62	60	70	74	74	68	68	70	68	72	77	78	74	68	64	64	63	61	62	64	63.
	Minimum ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sand Pass	Maximum..	42	50	55	56	50	53	52	56	52	56	59	54	59	62	68	70	72	61	63	66	72	78	76	74	48	59	64	59	44	60	64	59.
	Minimum ..	31	33	27	33	23	27	28	24	26	32	27	34	36	34	35	28	33	34	27	30	31	33	39	39	34	41	46	40	33	28	33	32.
Searchlight	Maximum..	44	46	56	56	54	54	52	60	54	53	58	62	63	63	70	72	70	72	71	73	66	71	70	71	69	68	68	63	63	64	72	62.
	Minimum ..	35	32	33	36	36	33	38	41	37	39	41	41	41	47	50	52	52	51	54	52	48	52	51	52	52	48	45	50	39	45	52	44.
Sharp	Maximum..	45	42	41	45	43	45	45	47	48	47	51	52	53	57	61	58	59	57	57	57	61	66	67	67	60	60	58	57	56	54	58	54.
	Minimum ..	35	20	21	9	23	9	18	15	18	21	20	23	22	23	24	22	20	30	22	18	21	29	29	28	30	30	29	25	18	34	30	23.
Sulphur	Maximum..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum ..	16	18	26	26	24	26	26	39	40	42	40	41	39	40	44	43	42	45	44	43	45	46	45	44	39	46	38	42	41	36	35	37.
Tonopah	Maximum..	34	32	36	42	35	39	41	44	45	46	50	51	51	56	62	60	62	55	56	59	66	66	66	64	55	51	56	50	45	50	55	51.
	Minimum ..	26	24	24	27	22	24	29	30	32	32	32	34	37	39	44	43	41	38	30	37	41	46	46	43	44	38	37	27	25	33	35	34.

a, b, c, etc., indicates respectively 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged t the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 Inches.
2 to 4 Inches.
4 to 6 Inches.
6 to 8 Inches.
Over 8 Inches.
0.5
1
2
4
6
Edmonton
Battleford
Prince Albert
Calgary
Medicine Hat
Qu'Appelle
Swift Current
Minnedosa
Winnipeg
White River
Port Arthur
Kalispell
Spokane
Seattle
Portland
Baker
Boise
Helena
Missoula
Havre
Billings
Miles City
Williston
Devils Lake
Grand Forks
Moorhead
Bismarck
Duluth
Marquette
Escanaba
Sault Ste. Marie
Yellowstone Park
Sheridan
Lander
Rapid City
Pierre
Huron
Minneapolis
St. Paul
La Crosse
Green Bay
Madison
Milwaukee
Grand Haven
Grand Rapids
Lansing
Port Huron
Detroit
Toledo
Sandusky
Fort Wayne
Dayton
Dubuque
Chicago
Des Moines
Davenport
Keokuk
Peoria
Springfield
Omaha
Sioux City
Yankton
Valentine
North Platte
Lincoln
Concordia
St. Joseph
Kansas City
Topeka
Columbia
St. Louis
Cairo
Louisville
Evansville
Cincinnati
Pittsburg
Dodge City
Wichita
Fort Smith
Little Rock
Memphis
Chattanooga
Knoxville
Atlanta
Montgomery
Mobile
New Orleans
Shreveport
Palestine
Galveston
Abilene
San Antonio
Corpus Christi
Brownsville
El Paso
Amarillo
Roswell
Santa Fe
Pueblo
Denver
Cheyenne
Leadville
Grand Junction
Salt Lake City
Pocatello
Modena
Winnemucca
Reno
Tonopah
Independence
Red Bluff
Roseburg
Sacramento
San Francisco
Fresno
San Luis Obispo
Los Angeles
San Diego
Yuma
Phoenix
Flagstaff
Tucson
Tatoosh Island
Toronto
Saugeen
Parry Sound
Montreal
Quebec

Snowfall in the elevated regions of Nevada Section, March, 1915.

While this month's snowfall was considerably heavier almost everywhere than that of March, 1914, yet, as compared with the normal, there was a general deficiency ranging from 62 per cent in the Carson to 81 per cent in the Walker district. The accumulated winter's snowfall in the Carson, Walker and Humboldt watersheds had disappeared by the close of the month. In the Lake Tahoe district the snow cover on March 31st was from 6 to 38 inches in depth. At Tahoe, Cal., it was normal, but at all other stations where snow is reported it was from 5 to 14 inches below the average for that time of year. In the other watersheds the snow cover was from 1 to 4 inches less than the normal. The prospects for an ample water flow in the Truckee watershed next summer are good.

In the Truckee watershed the snowfall ranged from less than one inch to about 15 inches. The average was 37 per cent of the normal. The total precipitation for the season, September 1 to March 31, was 16.48 inches, or 73 per cent of the normal. Snow measurements taken March 31st show that the snow on the ground was 4 feet deep at Lily Lake and Glen Alpine; 5 feet at Grass Lake; 5.6 feet at Lusie Lake; 7.5 feet at Gillmore Lake and from 9 to 10 feet in the vicinity of Mt. Tallac, at an elevation of 9,000 feet. The snow is generally loose, and in a condition favoring early melting, except near Mt. Tallac, where the snow has drifted, and is frozen very hard. At Summit, Cal., (elevation, 7,017 feet) ten measurements were taken with a snow sampler by Prof. J. E. Church, Jr., of the University of Nevada, and the writer in the immediate vicinity of the Southern Pacific R. R. station with the following results: March 27, 1915, depth of snow, 78 to 108.8 inches; average density, 46.2 per cent. The snow cover had settled about 10 inches in 27 days.

In the Carson watershed the average snowfall for two stations was 4.8 inches, which is about 38 per cent of the normal. There was no snow on the ground on the 31st. The seasonable precipitation averaged 12.74 inches, or 70 per cent of the normal.

In the Walker watershed the average snowfall was 1.3 inches, three stations reporting; this is about 19 per cent of the normal. By the 31st the snow had disappeared. The seasonal precipitation was 4.46 inches, which is 50 per cent of the normal.

In the Humboldt watershed snow occurred at all stations but two, in amounts ranging from 0.7 inch to 14 inches, the average being 2.8 inches, or 36 per cent of the normal. There was no snow on the ground on the last day of the month. The average precipitation for the season was 4.26 inches, or 69 per cent of the normal.

The average precipitation, in inches and hundredths, for each of the drainage basins, for September 1st to March 31st, for each of the past five seasons, is given in the following tables:

COMPARATIVE SEASONAL PRECIPITATION.

Years.	Truckee Basin.	Carson Basin.	Walker Basin.	Humboldt Basin.
Precipitation from September 1, 1910, to March 31, 1911	37.03	28.90	11.77	6.79
Precipitation from September 1, 1911, to March 31, 1912	10.28	5.14	3.71	5.12
Precipitation from September 1, 1912, to March 31, 1913	13.82	12.16	6.13	6.01
Precipitation from September 1, 1913, to March 31, 1914	28.83	26.70	14.96	6.69
Precipitation from September 1, 1914, to March 31, 1915	16.48	12.74	4.46	4.26

SNOWFALL.

Stations.	Counties.	Total snowfall.	Amount on ground 15th	Amount on ground 31st	Compared with normal
Truckee Basin.					
Bijou, Cal		6.0	20.0	11.0	− 8
Cathedral Park, Cal		10.5	38.0	25.0	− 5
Glenbrook	Douglas	4.2	12.0	6.0	− 6
Hobart Mills, Cal		7.0	14.0	T.	− 9
Lewer's Ranch	Washoe	T.	0.0	0.0	
McKinney, Cal		12.0	43.0	32.0	−14
Marlette Lake	Douglas	15.0	......	51.0	......
Tahoe, Cal		9.0	52.0	38.0	
Tallac, Cal		......	......	......	......
Carson Basin.					
Markleeville, Cal		4.0	0.0	0.0	− 4
Woodfords, Cal		5.5	0.0	0.0	
Walker Basin.					
Bridgeport, Cal		3.8	6.0	T.	−
Shield's Ranch, Cal		T.	0.0	0.0	
Smith	Lyon	0.0	0.0	0.0	
Humboldt Basin.					
Arthur	Elko	4.0	6.0	0.0	−
Beowawe	Lander	0.0	0.0	0.0	
Dry Farm	Elko	......	......	......	......
Eureka	Eureka	14.0	0.0	0.0	−
Halleck	Elko	1.0	0.0	0.0	
Hylton	do	1.5	0.0	0.0	−
Jack Creek	do	......	......	......	......
Metropolis	do	0.0	0.0	0.0	
Millett	Nye	1.5	0.0	0.0	
North Fork	Elko	2.0	12.0	0.0	−
Wells	Elko	2.2	0.0	0.0	
Winnemucca	Humboldt	0.7	0.0	0.0	

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

NEVADA SECTION

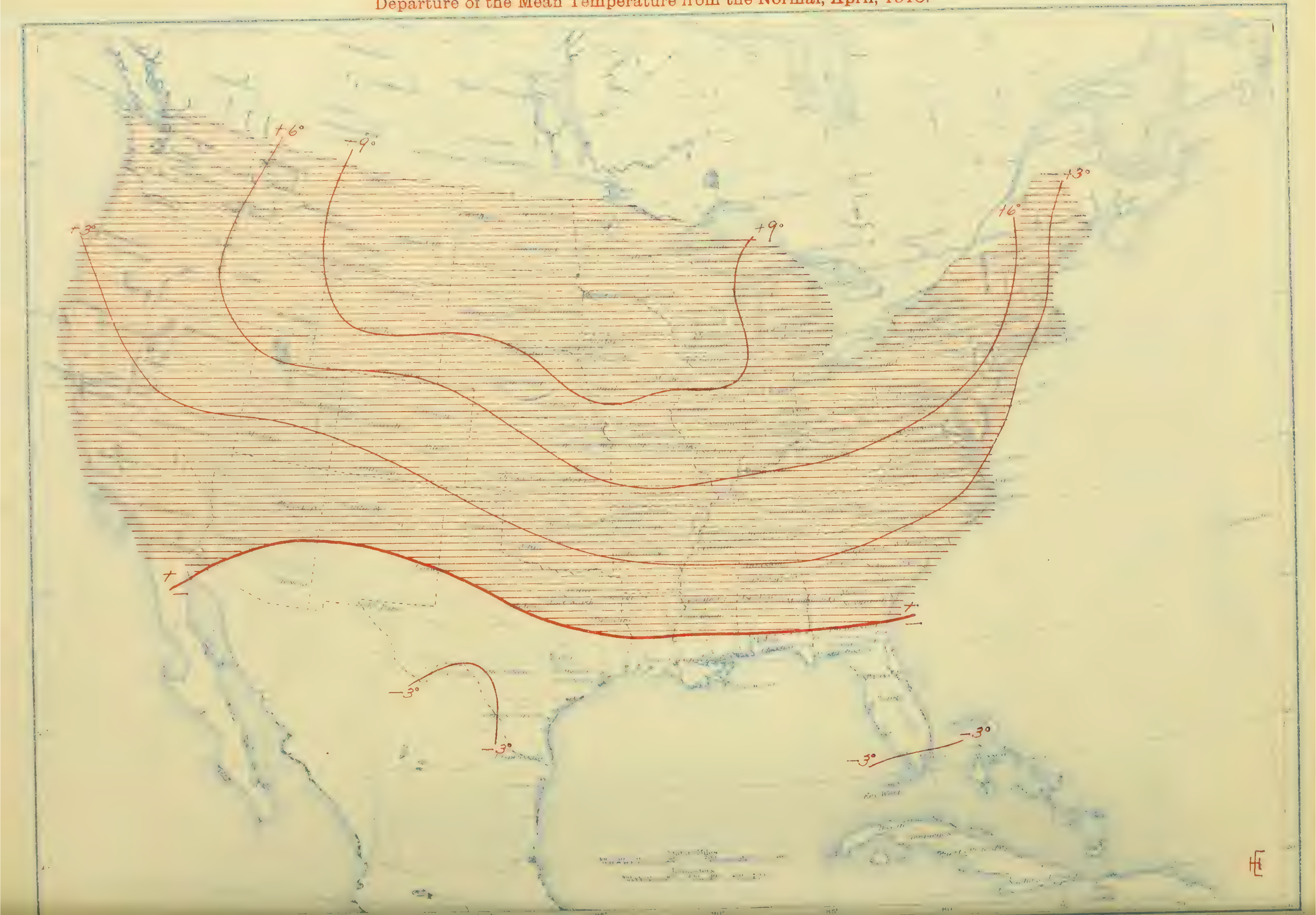
APRIL, 1915

BY

HENRY F. ALCIATORE
SECTION DIRECTOR

RENO, NEV.
WEATHER BUREAU OFFICE
MAY 20, 1915.

Departure of the Mean Temperature from the Normal, April, 1915.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALCIATORE, Section Director.

Vol. XXX. Reno, Nevada, April, 1915. No. 4.

GENERAL SUMMARY.

The month was appreciably warmer than usual. Only three times in the last 27 years has the mean temperature of April been warmer than this one. The extremes of temperature 92 degrees and 15 degrees, respectively, were within the limits of previous years. At most stations the highest temperatures occurred on the 12th and 19th. The great warmth of the second decade caused premature budding of fruit. On the evening of the 29th there was a rapid and marked fall in temperature, and by the following morning a general and destructive freeze had been ushered in over the greater part of the State. Temperatures ranging from 1 to 17 degrees below freezing were observed in every County in the State except Clark County. An unusual feature of the freeze was the fact that the coldest weather was felt in the central and southwestern, instead of in the northern counties. At Austin the minimum was 15 degrees and at Tonopah 19 degrees. Early fruit was too far advanced to withstand such low temperatures. The damage was very great. Late fruit, however, did not fare so badly. Besides the loss in fruit, this freeze killed thousands of young lambs on the ranges in the northeastern districts.

Showery weather predominated. Considered as a whole, the month, with one exception (1900), was the wettest April of record. The precipitation was above normal at 25 out of the 29 stations for which normals have been computed. The monthly fall ranged from 0.18 inch in Douglas to more than 4 inches in Eureka County. At Tonopah, all previous records for April were broken. A severe snowstorm, accompanied by strong winds, and partaking of the nature of a blizzard, occurred in 15 out of 16 counties on the 30th. The amounts of snow that fell on that date ranged from less than one-tenth inch to 12 inches. Snow fell as far south as Searchlight, Clark County. The average fall for the State was 4.7 inches, which is considerably above the normal.

A destructive thunder, rain and hail storm occurred in the vicinity of Tonopah on the 16th. In the early evening a bolt of lightning struck an auto-truck in which Messrs. Frank Roschollar and Charles McIntosh were riding between Goldfield and Tonopah. Mr. Roschollar was killed instantly and his companion badly injured. On April 29th, a small tornado struck Fallon, Churchhill County. Barnes' circus tent was demolished while the afternoon performance was in progress. There was no loss of life, but the damage to the tent, etc., was estimated at $5,000.

Alfalfa and grain made good progress. Sheep shearing was practically completed by the close of the month. The heavy rains have been of great benefit on the ranges. Cattle and sheep men are looking for an unusually good grazing season.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 45 stations, was 50.4 degrees. The mean for the 27 stations having ten or more years record was 2.6 degrees above the normal. The highest recorded was 92 degrees, at Logan on the 19th; the lowest was 15 degrees at Austin on the 30th. The greatest daily range was 60 degrees at Shafter on the 12th. The highest monthly mean was 64.7 degrees at Logan; the lowest was 42.0 degrees at Gold Creek.

PRECIPITATION.

The average for 51 stations reporting was 1.64 inches. For the 29 stations having ten or more years record the mean was 0.81 inch above the normal. The average amount at 4 stations in the Columbia Basin was 1.92 inches; at 19 stations in the Humboldt Basin, 1.74 inches; at 9 stations in the Truckee Basin, 0.83 inch; at 5 stations in the Carson Basin, 1.13 inches; at 5 stations in the Walker Basin, 1.20 inches; at 2 stations in the Colorado Basin, 0.44 inch; at 16 stations in the minor basins, 1.77 inches. The greatest monthly fall was 4.54 inches at Austin; the least was 0.18 inch at Gardnerville. The average number of days with precipitation for the State was 7.

SUNSHINE AND CLOUDINESS.

At Reno 65 per cent of the possible sunshine was recorded; at Winnemucca, 71 per cent; at Tonopah, 55 per cent. For the State, the average number of clear days was 11; partly cloudy, 9; cloudy, 10.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric Pressure (sea level)			Mean relative humidity		Wind.			
	Mean.	Highest.	Lowest.	5 a. m.	5 p. m.	Average hourly velocity	Maximum velocity		
							Miles per hour	Direc.	Date.
Reno	29.88	30.31	29.40	71	38	7.6	36	sw	28
Winnemucca	29.88	30.29	29.44	81	39	6.5	31	s	29
Tonopah	29.84	30.25	29.32	70	48	10.2	35	nw	14

MISCELLANEOUS PHENOMENA.

Solar Halos.—11, 12, 25.

Fog.—13, 14.

Lunar Halo.—4.

Thunderstorms.—3, 5, 7, 8, 13, 14, 15, 16, 17, 18, 20, 21, 24, 27, 28, 29.

Brisk Winds.—4, 5, 12, 13, 14, 17, 28, 29, 30.

COMPARATIVE DATA FOR MARCH.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	53.5	100	16	0.45	.....	2	16	9	5	sw
1890	49.0	96	8	0.72	1.4	3	16	9	5	s
1891	48.3	88	5	1.51	5.8	5	11	11	8	s
1892	44.9	84	6	0.62	2.1	4	8	13	9	w
1893	41.8	78	0	1.14	7.0	6	10	8	12	sw
1894	47.6	90	10	0.59	3.2	4	11	10	9	sw
1895	48.2	95	1	0.42	1.4	2	15	8	7	w
1896	41.7	89	− 9	1.00	5.6	5	7	10	13	sw
1897	47.3	91	9	0.37	1.5	3	17	6	7	w
1898	51.1	103	12	0.71	0.8	2	17	7	6	w
1899	47.9	87	12	0.37	2.7	2	15	8	7	w
1900	43.8	82	10	1.98	12.1	7	6	7	17	w
1901	45.3	98	− 2	0.59	1.9	3	15	6	9	sw
1902	45.8	84	14	0.75	2.4	3	11	9	10	sw
1903	45.2	101	1	0.47	2.3	2	17	6	7	sw
1904	45.4	97	10	0.66	3.7	3	15	7	8	sw
1905	47.0	85	10	0.84	2.9	4	14	7	9	sw
1906	47.6	90	9	1.30	4.0	5	13	7	10	w
1907	50.1	94	12	0.58	0.2	3	14	9	7	w
1908	50.1	91	4	0.33	0.3	2	18	7	5	w
1909	47.8	93	10	0.18	4.0	1	18	7	5	w
1910	51.8	95	8	0.24	0.1	2	18	8	4	sw
1911	45.1	92	5	0.55	1.1	3	16	8	6	w
1912	43.4	84	7	1.27	4.3	6	10	10	10	w
1913	47.2	93	5	0.64	1.1	3	14	8	8	w
1914	49.2	102	5	1.23	4.4	6	9	10	11	w
1915	50.4	92	15	1.64	4.7	7	11	9	10	w
Entire period	47.3	103	− 9	0.78	3.1	4	14	8	8	w

Climatological data for April, 1915.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted.)	With precipitation (0.01 inch or more.)	Clear.	Partly cloudy.	Cloudy.	Prevailing direction of the wind.	Observers.
			Temperature, in degrees Fahr.								Precipitation, in inches.					Number of days					
Columbia Basin.																					
Gold Creek	Elko	6,600	2	42.6		65	†12	24	†9	36	2	1.52		0.72	3.0	8	7	16	7	nw	Forest Supervisor.
Jack Creek**	do	6,300									2	3.02		0.75	3.0	11	14	10	6	w	C. E. Butler.
Owyhee	do	5,400	4	46.8		72	28	24	9	39	4	1.30		0.90		4	20	0	10		Indian Service.
San Jacinto	do	5,200	10	48.0	+3.7	77	28	23	10	48	10	1.86	+1.27	0.63	8.0	7	16	6	8	w	J. S. Parmley.
Humboldt Basin.																					
Arthur	Elko	6,500									5	2.60	+0.86	0.70	8.0	6	15	13	2		Isaac Woodhouse.
Austin	Lander	6,594	26	45.0	+1.2	70	12	15	30	39	26	4.54	+3.07	0.83	28.0	12	10	13	7		Forest Service.
Battle Mountain	do	4,513	44	54.8	+5.2	83	†18	27	†8	48	46	2.40	+1.59	0.80	7.0	8	11	6	13	se	Southern Pacific Co.
Beowawe	Eureka	4,695	44	51.4	+2.5	78	†12	25	†7	43	46	1.30	+0.77	0.45	4.0	5	21	0	9	s	Do.
Carlin	Elko	4,896	44								44										Western Pacific Co.
Clover Valley**	do	6,000	14	49.0	+4.3	74	†12	22	10	47	22	1.92	+0.90	0.66	T.	7	3	19	8		I. F. Wiseman.
Dry Farm **	do	5,600	3	49.4		72	†12	25	9	35	6	1.61	−0.52	0.52	4.0	8	6	14	10	sw	Walfrid Sohlman.
Elko	do	5,063	44	49.8	+4.1	85	28	22	10	48	45	1.33	+0.81	0.57	4.0	8	8	11	11	w	Western Pacific Co.
Eureka	Eureka	6,837	17	47.9	+2.7	71	†11	25	4	38	19	3.29	+2.12	0.57	15.0	13	5	10	15	s	Clay Simms.
Golconda	Humboldt	4,392	36	53.2	+5.2	88	12	23	30	47	38	1.97	+1.37	0.60	12.0	10	8	0	22	w	Southern Pacific Co.
Halleck	Elko	5,229	22	47.4	+3.7	76	†19	17	†5	55	46	0.82	+0.06	0.30	1.5	6					Do.
Hylton	do	7,081									5	1.66		0.58	3.0	4	8	21	1		Chas. Toyne, sr.
Imlay §	Humboldt	4,209	2	49.8	+0.7	79	19	22	29	40	2	0.52	+0.15	0.20	6.0	5	10	6	14		Southern Pacific Co.
Lovelocks	do	3,977	21								19										High School.
Metropolis §	Elko	5,661	2								6	0.92	+0.33	0.23	0	5					O. M. Lloyd.
North Fork	do	6,500									6	0.99		0.30	2.0	5	3	7	20	s	Chas. Pratt.
Paradise Valley	Humboldt	4,500	2	49.1		79	28	22	4	45	6	1.81		0.86	1.5	10	8	13	9	sw	R. M. Taylor.
Potts	Nye	6,002	22	44.2	+0.7	69	18	20	30	43	24	1.50	+0.79	0.50	14.0	6	2	14	14	n	Miss Maud Potts.
Shafter §	Elko	5,583	2	46.6	+0.7	84	12	22	14	60	2	0.78	+0.02	0.22	T.	8	9	16	5	w	Geo. Kernan.
Tecoma	do	4,812	37	47.4	+0.6	78	28	18	†5	51	39	0.74	+0.15	0.42	0	6	6	15	9	w	Southern Pacific Co.
Wells	do	5,631	43								46										Do.
Winnemucca	Humboldt	4,344	36	50.4	+3.3	79	28	26	30	43	46	2.33	+1.45	0.69	5.0	11	9	8	13	ne	U. S. Weather Bureau.
Truckee Basin.																					
Fernley	Lyon	4,150	42	52.6	+2.4	84	19	26	30	46	46	0.84	+0.49	0.27	T.	6	13	8	9		Mrs. G. A. Steele.
Glenbrook	Douglas	6,240	6	42.2		62	12	26	†5	31	6	1.05		0.50	6.0	5	9	18	3	w	C. C. Henningsen.
Lewers Ranch **	Washoe	5,500	27	50.0	+3.2	78	†16	25	30	43	28						6	14	10		Ross Lewers.
Marlette Lake**	do	7,900									2	1.09		0.42	10.0	3	13	2	15	e	V. & G. H. Water Co.
Reno	do	4,532	28	50.1	−2.8	77	16	26	30	40	28	0.33	−0.28	0.16	1.4	7	9	8	13	w	U. S. Weather Bureau.
Bijou, Cal.		6,230									6	0.71		0.34	4.0	6	4	12	14	n	Chas. Young.
Cathedral Park, Cal.**		6,400	3	44.4		69	20	22	30	35	3	1.09		0.30	9.0	9	6	9	15	s	Carl Fluegge.
Hobart Mills, Cal.		5,900									6	0.69		0.30	3.0	5	9	7	14	s	S. E. Patterson.
McKinney, Cal.		6,225	6								6	1.11		0.35	7.0	9	13	7	10	s	Fred Jensen.
Tahoe, Cal.		6,240	7	39.6		63	19	17	30	34	7	0.54		0.25	5.0	3	5	11	14	w	Mrs. Northrup A. Pomin.
Tallac, Cal.		6,230									6										W. D. Butt.
Carson Basin.																					
Fallon	Churchill	3,965	21	52.6	+2.6	80	19	27	30	41	21	2.14	+1.79	0.87	1.0	14	15	6	9	nw	U.S. Experiment Station.
Gardnerville	Douglas	4,830	24	e49.2	+0.6	e74	†16	e24	8	e43	25	0.18	−0.43	0.08	2.0	3				nw	Forest Service.
Lahontan	Churchill	4,200	3	54.8		79	19	28	†29	32	5	1.33		0.67	2.5	8	3	10	17	w	U.S. Reclamat'n Service.
Markleeville, Cal.		5,525									6	1.23		0.68	7.0	3	9	7	14	s	Mrs. Mary Thornburg.
Woodfords, Cal.		5,634									6	0.79		0.22	5.0	7				sw	Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	8	51.4	0.0	80	†12	25	30	46	19	0.80	+0.48	0.40	2.0	3	17	0	13		Southern Pacific Co.
Smith	Lyon	4,800									7	0.78		0.25	2.5	8	9	8	13	n	C. M. Carter.
Thorne §	Mineral	4,200	2								2										Southern Pacific Co.
Yerington §	Lyon	4,375	6	50.1	+0.7	87	19	25	†8	51	6	1.70	+1.48	1.07	2.5	7	10	7	13	nw	High School.
Bridgeport, Cal.		6,500	2	42.6		72	19	18	8	46	4	1.75		1.30	12.0	5	7	10	13	nw	A. F. Scott.
Shields Ranch, Cal. **		5,300									6	0.98		0.57	T.	6	0	20	10		Frank W. Chichester.
Colorado Basin.																					
Caliente §	Lincoln	4,407	5								5										Salt Lake Route.
Indian Springs §**††	Clark	3,136	2	58.5		84	19	30	†23	40	2	0.41		0.35	0	2	21	7	2	w	Ira McFarland.
Lake Valley**	Lincoln	6,200	2								2										Valley View Farm'g Co.
Las Vegas	Clark	2,033	13	63.6	+3.8	91	11	40	†13	45	13	0.20	−0.12	0.17	0	3	20	8	2	s	C. P. Squires.
Logan §	do	1,355	8	64.7	+0.8	92	19	39	†6	44	16	0.68	+0.52	0.27	0	4	15	7	8		Experiment Farm.
Minor Basins.																					
Cherry Creek	White Pine	6,450	7	48.8		73	†12	27	4	40	7	1.45		0.30	2.0	13	11	10	9	w	J. H. Leishman.
Columbia**	Esmeralda	5,700	8	49.0		74	†12	22	30	36	10	2.68		0.97	8.0	13	8	9	13	se	A. Booth.
Gerlach	Washoe	3,931	3	52.4		79	†18	27	8	44	3	0.94		0.61	T.	7				w	Western Pacific Co.
Jean	Clark	2,864	7	59.8		88	19	30	18	56	8						25	3	2	w	Salt Lake Route.
Jungo	Humboldt	4,165									2	2.01		1.01	4.0	2	21	0	9	sw	Western Pacific Co.
Lida §	Esmeralda	6,037	3	44.3	+0.6	69	18	21	†1	37	3	2.79	+1.53	0.73	4.0	9	13	9	8	nw	L. F. Detwiler.
McDermitt	Humboldt	4,700	25	50.2	+4.8	77	†19	22	30	40	25	2.86	+1.34	0.92	7.0	9	14	7	9	sw	U. S. Indian Service.
McGill §	White Pine	6,338	5	49.4	+6.4	73	12	27	4	40	5	1.63	+0.49	0.51	T.	8	20	5	5	s	R. E. Middagh.
Millett	Nye	6,002	7	47.6		76	19	23	10	47	8	2.12		0.65	5.0	8	13	3	14	s	Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	3	51.4	+2.4	80	19	20	30	47	3						20	3	7	n	Arthur L. Stewart.
Pahrump **	Nye	2,608	2								2										F. A. Buol.
Quinn River Ranch **	Humboldt	4,850	13			d81	28				14	1.23	+0.87	0.65		4				w	F. M. Payne.
Rebel Creek	do	4,300	3	50.4		80	18	22	30	41	4	2.53		0.76	6.0	8	9	10	11	n	Mrs. E. J. Hyatt.
Rhyolite	Nye	3,680	2	57.5		80	†19	27	30	35	2	2.39		1.13	3.0	9	18	10	2	s	Secretary School Board.
Sand Pass	Washoe	4,198	2	53.5		84	28	28	30	44	2	1.18		0.89	T.	7	9	10	11	n	R. R. Mott.
Searchlight	Clark	3,445	2	59.1		81	†11	33	30	28	2	1.35		0.46	T.	7	11	10	9	sw	C. L. Aug. Mahn.
Sharp	Nye	6,200	2	45.8		70	19	23	30	37	2	2.90		1.25	11.0	6	8	15	7	w	F. A. Sears.
Sulphur	Humboldt	4,044	2	50.9		75	†12	28	†14	43	2	0.25		0.25	0	1	8	13	9		Western Pacific Co.
Tonopah	Nye	6,090	10	46.6		70	12	19	30	30	10	3.26		1.80	23.0	11	12	8	10	se	U. S. Weather Bureau.
Vya ††	Washoe		2								2	2.51		0.97	2.5	9	8	15	7	nw	W. N. Lord.
For the State				50.4	+2.6	92	19	15	30	60		1.64	+0.81	1.80	4.7	7	11	9	10	w	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post office addresses of these stations are as follows: Of Jack Creek, Tuscarora; of Clover Valley, Wells; of Dry Farm, Lamoille; of Lewers Ranch, Franktown; of Marlette Lake, Virginia City; of Cathedral Park, Tallac, Cal.; of Shield's Ranch, Coleville, Cal.; of Indian Springs, Las Vegas; of Lake Valley, Pioche; of Columbia, Goldfield; of Oasis Ranch, Oasis, Cal.; of Pahrump, Shoshone, via Tecopa, Cal.; of Quinn River Ranch, Amos.

Reference letters ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing, for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for April, 1915.

Stations.	Day of month																														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia Basin.																																
Gold Creek			.08		T		.05	T			T			.15						.05	.67	.10		.10						[illegible]		[illegible]
Jack Creek			.24	.13	T	T	.15	.10						.60	.10					.75	.45	T		.05					.11	.31		[illegible]
Owyhee			.10			.10																.20		.90								[illegible]
San Jacinto			.20				.05				T		.12				.08				.20	.28								[illegible]		[illegible]
Humboldt Basin.																																
Arthur						T								.10		T	.30				.10	[illegible]	T						.30	.10		[illegible]
Austin ‖		T		.83	T		.08					.31	.72	.32	.03					.16	.61	.05	.01					T	[illegible]	[illegible]		[illegible]
Battle Mountain ‖					T.		.20					.40	.20	.05						T	.80		.30						[illegible]	[illegible]		[illegible]
Beowawe ‖													.20	.05						T	.25	T	.35	T						[illegible]		1.90
Carlin																																
Clover Valley			T		.10								.06	.66		.06					.22			T					.13	[illegible]		[illegible]
Dry Farm													.22	.04		.06					.10	.14	.05	.18						[illegible]		1.61
Elko				T									*	.17		.06				T	.16	.20	.09	.08						.57		[illegible]
Eureka						.05	.25						.15	.30	.03				.03		.35	.40	.06	.36				.08	.10	.56		[illegible]
Golconda			.20	.02		.08							.25							.12	.68		.27	.10					.25	.60		1.97
Halleck													.10								T	T.	.30	.20	.04				.03	.15		[illegible]
Hylton													.28			.35						.45								[illegible]		[illegible]
Imlay				.01	T.		T.														T.	T.	T	T			.01	.20	.20	.10		[illegible]
Lovelocks																																
Metropolis	T.	T.	T.				T.						T.		T.	.17	T	T	T.	T	.18	.23	T	.12	T					.22		0.92
North Fork				.11																.20		.30							.20	.18		0.99
Paradise Valley			T.	.01	.40	.02	.01					T.	.09							T.	.12	.13	T.	.13				T	.86	.04		1.81
Potts													.15	.30	.30													.50	.05	.20		1.50
Shatter		T.	T.				T.						.03	.05		.07	.11			*	*	.38		.14						T		0.78
Tecoma							.01						.02							.02	.12	.42		.15								0.74
Wells																																
Winnemucca***		T.		.16	.19	.01	.14					T.	.21							.29	.20		T.	.08				.02	.42	.30		2.33
Truckee Basin.																																
Fernley				.04	.18		.02													.27									.21	.12		0.84
Glenbrook				.05			.10																					.25	.15	.50		1.05
Lewers Ranch																																
Marlette Lake ‖					.42	.25																								.42		1.09
Reno***				T.	.03		.02													T.	.02		.06		.04			T.	.06	.10		0.33
Bijou, Cal					.03		.07						T.								.02				T		T	.04	.21	.34		0.71
Cathedral Park, Cal				.16		.02	.30						.10							T.	.11		T	T.	T	.04		.02	.04	.30		1.09
Hobart Mills, Cal				T.	.06		.04																		.09				.30	.20		0.69
McKinney, Cal				.09	.11		.34					T.	.05							.03	.04	.01							.35	.09		1.11
Tahoe, Cal				.14	T.		.15													T.	T.		T.		T.			T.	T.	.25		0.54
Tallac, Cal																																
Carson Basin.																																
Fallon				.06	.46	.18	.02						.05		.06					.03	.10	.05	.01	.09				.02	.87	.14		2.14
Gardnerville							T.														T.		T.	.07	T.	.03		T	T.	.08		0.18
Lahontan ‖				.08	.03	T.	.02						T.		.03				T.	.06	.17		T.						.67	.27		1.33
Markleeville, Cal					T.		T.					T.											.10						.45	.68		1.23
Woodfords, Cal					T.		.09															.04		.22		.18		.06	.04	.16		0.79
Walker Basin.																																
Mina				.40																	.20									.20		0.80
Smith			.07	.05	.05		.04					T.								.17		.03	.12						T.	.25		0.78
Thorne																																
Yerington				.05	.11		.02						T.		T.					1.07	T.	.01	T.	.13	T.			T.	T.	.31		1.70
Bridgeport, Cal														T.	.05									1.30				.20	.09	.11		1.75
Shields Ranch, Cal				T.			T.						.08							T.			.15	.57				.02	.09	.07		0.98
Colorado Basin.																																
Caliente																																
Indian Springs					T.																											
Lake Valley														.06								.35										0.41
Las Vegas														.17							T.		.01					T.	.02			0.20
Logan														.08								.13							.20	.27		0.68
Minor Basins.																																
Cherry Creek			.02			T.	.26	.06						.07	.09	.30		.01	.01			.12	.01	.19				T.	.12	.19		1.45
Columbia					.35			.20					.15	.35	.06	.02	.02				.04	.11				.04		.16	.97	.21		2.68
Gerlach					.05	.17														T.	.03	.02		.05					.61	.01		0.94
Jean																																
Jungo					1.01																							T.		1.00		2.01
Lida						.24	.10						.29	.24		.01					T.	.51						.73	.38	.29		2.79
McDermit	.15			T.	.35	.15	.10						.24								T.	.40	T.	.25	T.			T.	.92	.30		2.86
McGill							.20						.21	.27	.51						.17		.10						.10	.07		1.63
Millett					.23		.06						.65								.12		.55					.15	.02	.34		2.12
Oasis Ranch.**					T.								T	T.																		
Pahrump																																
Quinn River Ranch				.38	.18																								.65	.02		1.23
Rebel Creek		T.	T.		.50	T.	T.							.16						.05	.20	.05		.16				T.	.76	.65		2.53
Rhyolite					.10	.02		T.						1.13	.02						.01	.17						.20	.44	.30		2.39
Sand Pass				.04	.18	T.	T.														.03	.02		.01					.89	.01		1.18
Searchlight						.03							T.	.33							.46	.11		.08					.19	.15		1.35
Sharp													T.	1.25	.15	T.					T.	.15	T.	.45					.40	.50		2.90
Sulphur					.25																							T.				0.25
Tonopah***													.10	.28	.07	.09					.03	.18				.01	.02	.19	.68	1.61		3.26
Vya				.25			.02													.35	.41		.12	.04				.97	.28	.07		2.51

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight.

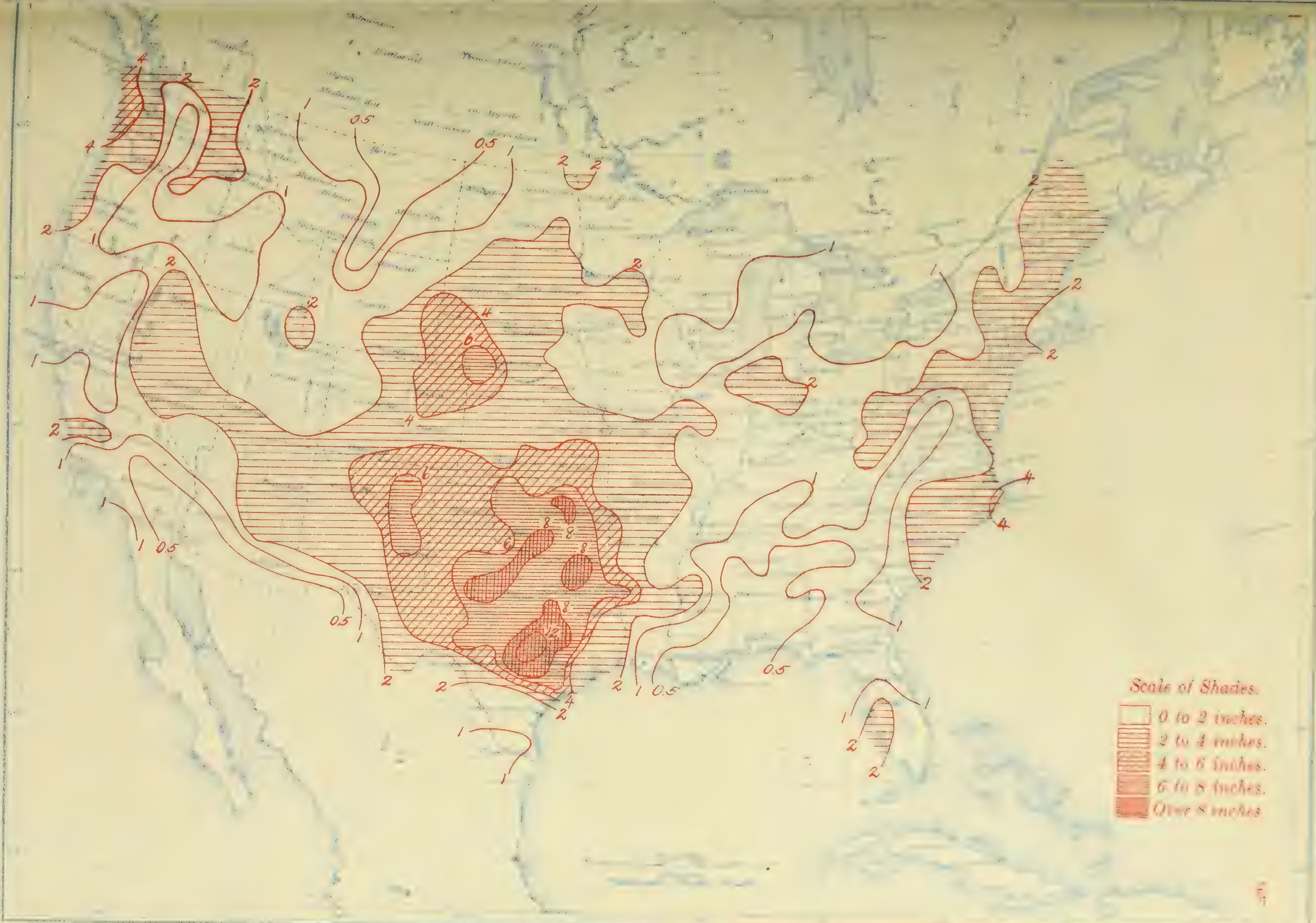
‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

T. Trace, or less than 0.01 inch. ** Incomplete.

Daily temperatures for April, 1915.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek	Maximum..	57	56	48	50	50	53	49	48	54	61	62	65	56	47	58	59	53	60	59	56	51	38	43	44	55	60	61	65	52	52	....	54.1
	Minimum..	31	35	30	25	30	28	32	30	24	25	31	31	30	27	33	33	30	31	32	34	34	31	24	29	30	29	32	35	30	24	....	30.0
Owyhee	Maximum..	63	64	55	49	49	50	51	54	60	67	67	70	62	51	64	65	63	70	70	68	53	47	55	56	66	67	68	72	71	50	....	60.6
	Minimum	35	36	37	30	30	30	39	27	24	28	13	35	32	33	35	34	32	32	32	36	31	32	27	37	31	31	40	43	33	25	....	33.0
San Jacinto	Maximum	64	65	60	58	61	58	56	55	61	71	65	75	67	50	63	62	68	69	73	72	58	53	58	64	64	68	71	77	70	54	....	63.7
	Minimum..	26	33	32	29	33	29	34	35	32	23	31	33	....	....	31	33	34	33	37	36	33	34	30	30	33	33	34	34	38	28	....	32.2
Humboldt Basin.																																	
Austin	Maximum	65	62	55	59	45	56	48	52	61	75	67	70	36	39	51	62	62	66	68	66	55	51	54	56	57	60	64	65	56	31	....	56.5
	Minimum..	44	34	32	29	28	33	30	32	34	31	40	31	27	21	34	38	38	41	45	38	32	32	33	37	36	40	42	37	21	15	....	33.5
Battle Mountain §§	Maximum..	77	70	63	74	67	73	60	68	75	79	79	82	51	72	73	81	77	83	83	75	70	67	61	67	68	79	78	80	65	42	....	71.3
	Minimum..	52	38	38	37	31	41	31	27	27	45	40	35	33	36	40	44	37	37	40	45	42	32	41	40	41	49	45	45	28	29	....	38.2
Beowawe §§	Maximum..	70	67	68	65	66	68	60	65	68	75	73	78	45	55	70	72	71	75	78	75	65	58	57	60	68	73	75	78	60	35	....	66.4
	Minimum..	45	37	40	38	38	40	25	37	30	38	36	40	33	30	35	38	37	35	35	42	40	30	40	34	35	48	45	40	28	25	....	36.5
Clover Valley	Maximum..	65	65	56	60	62	64	60	58	62	69	68	74	63	56	67	66	62	70	74	72	58	55	60	61	65	68	72	71	64	46	....	63.8
	Minimum..	30	35	35	34	34	32	45	30	24	22	38	34	38	32	34	35	31	36	37	34	37	37	27	31	32	42	39	38	40	32	....	31.2
Dry Farm	Maximum..	62	63	56	61	57	60	53	52	60	67	70	72	63	61	63	63	61	69	71	65	62	64	53	57	43	66	71	72	63	55	....	61.8
	Minimum..	34	36	38	38	32	30	38	39	25	38	44	42	34	31	36	40	43	40	40	41	41	45	30	35	33	37	41	40	40	27	....	36.9
Elko	Maximum..	64	63	63	64	60	62	58	58	63	68	68	69	67	60	65	68	67	75	75	82	74	54	58	58	64	70	73	85	81	60	....	66.5
	Minimum..	30	29	35	24	36	27	34	35	35	22	29	31	40	39	34	33	33	29	29	34	34	40	29	35	34	34	44	37	43	29	....	33.2
Eureka	Maximum..	66	61	61	63	57	63	57	47	64	69	71	71	64	53	46	59	61	69	68	69	58	56	56	57	59	59	67	69	59	48	....	60.9
	Minimum..	31	44	36	25	32	29	46	31	37	35	41	42	32	30	29	34	46	33	38	34	35	31	32	33	37	32	38	40	38	27	....	34.9
Golconda	Maximum..	70	72	64	62	60	62	56	61	80	78	82	88	56	62	82	75	80	75	80	75	65	58	60	58	70	78	78	70	68	40	....	68.8
	Minimum..	48	48	45	38	30	38	32	29	33	32	42	40	36	37	41	44	36	40	48	43	42	30	30	36	38	40	40	42	27	23	....	37.6
Halleck	Maximum..	72	68	72	68	65	70	68	69	71	72	73	71	70	70	73	70	65	74	76	60	52	50	60	58	72	76	76	75	71	43	....	67.7
	Minimum..	30	22	20	20	17	20	18	19	20	17	27	27	20	24	28	29	34	32	32	33	30	33	25	35	31	30	31	34	43	34	....	27.2
Imlay	Maximum..	70	71	65	56	50	55	52	58	55	68	70	71	62	64	65	69	70	75	79	75	62	61	61	60	61	65	68	75	62	31	....	63.5
	Minimum..	35	33	34	35	34	36	33	34	33	34	37	35	37	38	39	40	42	45	40	41	40	35	32	38	39	40	41	35	22	29	....	36.2
Paradise Valley	Maximum..	70	68	60	58	52	58	54	55	64	71	73	74	58	58	74	74	73	74	76	70	59	53	58	57	64	72	75	79	62	39	....	64.4
	Minimum..	33	45	39	22	35	26	34	26	25	26	38	36	38	35	30	32	44	34	34	38	41	36	25	41	29	33	38	38	38	25	....	33.8
Potts	Maximum..	62	61	61	60	62	60	61	53	61	62	60	60	56	58	60	62	68	69	65	62	60	58	60	62	61	60	58	59	53	45	....	60.0
	Minimum..	28	36	23	25	27	21	27	29	32	26	30	27	30	29	27	30	32	26	28	24	25	25	30	34	35	33	32	34	25	20	....	28.3
Shafter	Maximum..	65	65	57	55	61	65	60	57	61	72	78	84	62	61	67	56	62	69	70	70	59	50	57	60	62	68	71	74	64	51	....	63.8
	Minimum..	27	27	28	23	33	31	31	29	28	26	26	24	25	22	34	35	29	28	29	30	31	38	28	28	28	28	31	30	41	30	....	29.3
Tecoma	Maximum..	63	67	68	65	68	67	68	65	60	70	68	75	73	60	72	70	72	75	68	72	68	58	62	64	68	70	76	78	77	67	....	68.5
	Minimum..	22	25	25	21	18	20	25	22	20	21	22	27	25	25	30	28	26	32	22	21	22	38	18	30	32	33	28	27	41	40	....	26.2
Winnemucca	Maximum..	71	69	62	60	54	59	51	57	67	73	74	76	51	56	71	75	74	75	77	72	58	54	56	57	66	72	75	79	62	33	....	64.5
	Minimum..	37	49	40	32	33	30	37	31	30	30	42	39	36	34	35	36	44	37	36	46	43	35	30	37	36	36	43	42	30	26	....	36.4
Truckee Basin.																																	
Fernley	Maximum..	73	73	68	60	47	66	57	65	71	77	77	78	69	60	69	79	76	82	84	73	61	58	57	66	65	72	76	80	55	43	....	67.9
	Minimum..	36	43	36	37	37	29	39	29	27	34	35	34	39	33	27	33	49	44	44	45	39	40	40	43	39	41	41	34	43	26	....	37.2
Glenbrook	Maximum..	51	59	50	46	47	46	45	49	55	56	61	62	58	56	55	54	55	54	55	55	54	55	55	54	55	54	55	55	53	50	....	53.6
	Minimum..	37	37	35	27	26	26	28	30	31	30	30	32	31	30	30	30	31	32	32	30	30	31	30	30	31	32	32	31	31	30	....	30.8
Lewer's Ranch	Maximum..	69	65	65	57	51	63	53	65	69	71	71	69	60	61	70	78	74	78	71	65	56	58	56	60	60	64	71	72	75	52	....	65.0
	Minimum..	34	45	40	31	33	29	35	26	30	35	41	45	30	28	32	35	38	37	40	39	36	32	34	36	34	34	37	38	38	25	....	34.9
Reno	Maximum..	70	64	60	56	48	61	51	63	67	72	71	69	50	58	70	77	76	77	75	66	56	58	59	61	62	66	71	74	52	35	..	63.2
	Minimum..	36	45	43	33	35	29	36	27	32	38	45	40	35	32	33	37	42	43	44	44	37	39	39	37	35	34	43	39	32	26	....	37.0
Cathedral Park, Cal.	Maximum..	55	60	58	55	55	57	50	56	57	59	65	63	60	55	56	60	61	65	67	69	51	54	50	52	49	51	60	57	50	41	....	56.6
	Minimum.	30	36	35	31	26	29	30	25	30	31	43	41	38	30	31	32	30	31	35	34	36	29	33	28	32	34	36	33	34	22	....	32.2
Tahoe	Maximum..	52	55	56	48	38	47	41	45	55	62	62	57	44	45	57	60	62	62	63	57	47	48	48	48	48	56	59	61	47	32	....	52.1
	Minimum..	27	34	29	28	21	22	28	18	28	28	30	30	23	20	28	27	28	29	30	28	30	25	27	30	29	29	32	31	28	17	....	27.1
Carson Basin.																																	
Fallon	Maximum..	73	74	72	65	45	61	59	60	67	75	78	77	61	54	63	74	76	77	80	75	67	62	57	65	78	71	76	77	55	38	....	67.1
	Minimum..	35	45	40	34	37	34	40	32	33	37	42	39	41	36	32	40	44	40	40	44	37	41	34	42	37	43	42	40	36	27	....	38.1
Gardnerville	Maximum..	68	69	64	....	62	61	57	60	67	72	....	71	64	56	....	74	72	...	74	69	63	62	59	61	....	64	69	67	59	47	....	64.4
	Minimum..	31	49	44	...	31	30	34	24	27	34	...	35	32	31	....	31	35	....	35	39	34	31	38	39	....	38	34	32	39	25	....	34.1
Lahontan §§	Maximum..	70	70	63	64	56	56	50	58	62	71	74	74	58	52	62	73	72	74	79	70	56	61	57	64	66	68	72	78	52	34	....	63.9
	Minimum..	48	52	49	38	38	43	41	41	45	48	48	42	40	40	44	54	52	53	59	47	47	47	47	47	50	52	55	52	28	28	....	45.8
Walker Basin.																																	
Mina	Maximum..	75	73	71	65	55	61	60	60	70	74	76	80	70	45	65	72	73	75	80	75	65	65	65	65	65	60	70	70	50	50	....	66.7
	Minimum..	34	30	34	28	36	26	31	35	36	28	45	43	35	37	35	40	39	37	40	38	40	40	43	44	39	30	40	37	40	25	....	36.2
Yerington	Maximum..	70	72	66	58	47	62	57	58	66	75	76	73	64	52	61	....	75	75	87	69	60	61	54	64	64	66	72	70	58	46	....	64.8
	Minimum..	34	42	35	31	31	34	40	25	30	35	36	33	38	37	32	....	33	40	36	41	35	36	40	40	36	36	38	36	43	25	....	35.4
Bridgeport, Cal.	Maximum..	63	62	56	53	47	57	54	57	60	62	65	64	52	45	54	64	67	70	72	64	57	55	55	52	57	55	62	61	52	35	...	57.6
	Minimum..	25	32	32	24	22	27	30	18	31	25	29	34	30	30	22	30	26	25	26	32	30	33	25	31	27	32	29	24	30	21	....	27.7
Colorado Basin.																																	
Indian Springs	Maximum..	76	77	79	76	67	70	72	72	74	76	80	80	77	62	69	78	83	81	84	80	80	60	65	66	66	68	70	73	75	73	....	73.6
	Minimum..	44	46	46	41	46	40	46	48	42	42	46	44	52	40	37	45	46	46	48	50	46	47	30	42	40	44	30	38	46	45	....	43.4
Las Vegas	Maximum..	83	85	85	86	86	87	81	80	81	84	91	87	85	77	74	78	87	86	88	90	72	73	76	76	76	82	84	81	70	59	....	81.0
	Minimum..	46	48	46	44	44	42	44	48	49	45	47	42	40	42	40	52	49	50	51	51	52	43	45	43	43	46	52	50	53	40	....	46.2
Logan	Maximum..	84	85	89	88	76	76	81	82	84	87	89	91	82	66	79	86	83	88	92	88	79	73	75	78	79	83	86	84	69	59	....	81.4
	Minimum..	47	47	48	46	50	39	39	50	52	49	49	47	49	46	41	45	48	51	49	52	47	52	52	55	46	49	50	54	50	42	....	48.0
Minor Basins.																																	
Cherry Creek	Maximum..	65	66	53	60	61	62	60	50	55	68	72	73	65	55	58	50	58	67	69	68	65	50	60	59	63	67	68	73	62	50	....	61.7
	Minimum..	30	35	37	27	37	34	35	35	35	28	39	36	47	33	36	39	35	33	37	41	43	36	38	38	35	30	39	41	38	31	....	35.9
Columbia	Maximum..	70	66	67	65	55	60	62	58	65	69	72	74	64	39	49	63	68	71	74	69	59	58	58	63	58	62	68	59	51	43	....	62.0
	Minimum..	34	44	38	33	31	32	38	32	31	38	42	41	33	31	31	36	38	36	40	43	38	38	39	31	37	36	41	38	35	22	....	35.9
Gerlach	Maximum..	68	70	68	60	51	60	...	58	66	74	75	73	65	61	70	78	78	79	79	70	63	58	58	61	66	69	75	78	74	39	....	67.0
	Minimum..	36	43	41	36	43	29	....	27	33	34	39	41	40	35	33	34	39	37	40	46	46	36	36	41	39	36	46	45	37	28	....	37.8
Jean	Maximum..	78	84	80	81	71	73	74	76	78	77	86	87	80	69	70	76	85	86	88	82	76	72	71	72	73	77	77	77	70	55	....	76.7
	Minimum..	41	44	52	45	41	42	40	44	40	41	40	38	37	42	36	41	45	30	46	48	51	45	43	42	42	47	48	53	48	36	....	42.9
Lida	Maximum..	57	62	58	59	58	52	51	51	59	62	60	63	65	40	45	54	61	69	60	60	54	49	50	49	49	53	52	52	50	39	....	54.8
	Minimum..	21	39	36	36	29	35	33	32	35	33	36	36	28	28	31	35	37	44	38	45	38	35	36	30	34	35	34	33	31	21	....	33.8
McDermit	Maximum	67	66	62	56	57	58	54	56	64	70	72	74	65	57	69	73	70	75	77	69	64	52	57	52	65	72	75	77	70	34	....	64.3
	Minimum..	38	46	36	29	34	28	34	30	32	35	40	40	35	30	30	37	35	41	43	43	40	33	31	40	35	43	40	49	30	22	....	36.0
McGill	Maximum..	67	65	60	63	60	60	60	56	61	70	70	73	64	54	48	56	61	69	71	70	65	54	61	61	64	69	72	69	55	47	....	62.5
	Minimum..	29	37	40	27	39	33	38	36	31	30	41	37	48	33	31	38	37	35	40	49	42	36	33	38	35	31	42	40	39	28	....	36.4
Millett	Maximum..	70	69	63	65	60	65	57	61	67	70	74	75	70	51	46	67	68	70	76	72	57	50	59	64	61	65	68	70	56	45	....	63.7
	Minimum..	28	35	32	25	33	24	30	26	24	23	34	29	35	32	25	35	25	30	34	40	40	41	36	33	35	30	37	34	38	25	....	31.6
Oasis Ranch	Maximum.	70	72	72	70	50	70	70	72	70	71	77	79	70	50	78	70	77	77	80	78	55	78	70	78	76	75	76	49	45	50	...	69.2
	Minimum..	30	44	28	26	24	30	35	30	29	39	39	36	32	30	32	40	30	35	41	42	30	40	30	40	39	42	34	30	30	20	....	33.6
Quinn River Ranch	Maximum	....	.	....	63	55	62	....	57	67	71	75	73	57	62	76	79	76	80	78	74	60	56	64	61	69	75	79	81	64	35	...	67.3
	Minimum	....	.	....	25	36	29	....	40	42	27	17	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
Rebel Creek	Maximum..	68	60	58	60	57	59	57	58	65	72	73	74	69	52	68	69	72	80	76	75	60	58	60	58	68	78	79	79	66	32	....	65.3
	Minimum.	48	40	30	34	32	29	30	30	31	35	44	38	40	32	35	37	40	41	40	38	37	31	30	40	32	37	40	38	31	22	....	35.4
Rhyolite	Maximum..	75	76	74	71	60	68	68	68	73	75	78	79	74	74	59	72	70	79	80	80	64	62	62	66	65	70	72	65	64	52	....	69.8
	Minimum..	42	49	49	42	38	40	44	41	48	50	51	52	42	39	43	46	47	52	51	55	46	43	42	41	43	46	52	50	42	27	....	45.2
Sand Pass	Maximum..	68	71	66	56	51	65	59	62	70	79	78	74	58	64	74	81	81	81	82	71	68	59	63	66	65	74	79	84	66	43	....	68.6
	Minimum..	37	44	41	37	40	31	42	29	32	36	41	41	34	35	33	37	44	44	46	44	41	41	35	43	35	35	47	44	35	28	....	38.4
Searchlight	Maximum..	75	78	80	72	60	62	69	70	72	76	81	81	70	54	62	71	75	78	80	76	63	61	65	67	65	71	71	66	61	49	....	69.4
	Minimum..	51	58	54	53	49	43	46	47	52	54	55	59	52	38	42	48	47	57	56	52	46	45	45	42	43	49	45	54	45	33	....	48.8
Sharp	Maximum..	63	65	63	64	52	59	58	60	60	62	67	69	58	47	47	55	58	60	70	66	57	59	54	57	56	62	66	62	50	46	....	59.1
	Minimum.	30	36	31	27	28	33	34	32	30	36	34	34	33	30	34	33	32	33	34	36	39	36	30	34	29	29	38	33	33	23	....	32.5
Sulphur	Maximum.	70	70	70	69	60	61	59	56	68	72	73	75	65	65	65	72	72	73	71	70	60	55	55	65	72	75	74	73	75	36	....	66.5
	Minimum..	35	40	43	36	38	32	37	32	30	36	36	37	40	28	28	31	34	35	36	38	40	36	32	34	34	39	38	39	32	32	....	35.3
Tonopah	Maximum..	63	62	54	60	35	54	52	53	58	64	69	70	59	34	46	58	63	65	69	63	51	55	52	56	54	60	63	57	46	26	....	55.7
	Minimum..	45	48	41	31	28	30	36	30	38	41	46	46	29	29	30	38	45	49	50	44	38	35	39	35	36	40	42	41	26	19	....	37.5

a, b, c, etc., indicates respectively 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.

Notes on snowfall in the mountains, and water supply.

The total fall of snow in the Truckee, Carson, and Walker watersheds during April ranged from 3 to 12 inches, the greatest amount having occurred at Bridgeport, Cal. With two exceptions, the snowfall was smaller than in April, 1914, the exceptions being Woodfords and Bridgeport. At the close of the month, the snow cover was 2 to 6 inches in depth (except at Hobart Mills, where it had practically disappeared). At 6 out of 9 stations the depth of snow on the ground was greater than on April 30, 1914. At Tahoe and McKinneys, the snow cover was 10 and 9 inches respectively, less than last year on the same date.

The depth of snow on the ground at high levels in the Sierras is shown by the following measurements, which were made by Mr. A. L. Smith, of the Nevada Agricultural Station, Tahoe, Cal.: April 28th, Mt. Tallac, course No. 1, Gilmore Lake to the summit, 57 measurements gave an average of 60.8 inches. April 29th, Lake Lucille, course No. 2, average depth, 37 measurements, 88.8 inches; Glen Alpine, 12 measurements, 38.5 inches.

Records kept by Mr. L. O. Murphy, hydrographer of the Truckee River General Electric Co., Reno, Nev., show that the large amount of stored water available in Lake Tahoe at the close of April, 1915, was due to the water held over from the large run-off of 1914. The rise in this lake from January to July, 1914, was 4.52 feet; the losses from evaporation during the summer and fall of 1914, 1.30 feet; amount of water used, 1.32 feet; and the amount left over from 1914, 1.90 feet. Mr. Murphy's estimate of the probable height of Lake Tahoe for July 1, 1915, is 6228.80 feet, or about 0.5 foot below the high water limit.

Mr. W. D. Cole, manager of the U. S. Truckee-Carson Irrigation Project, Fallon, Nev., states that:

> "The prospect for sufficient water on this Project for 1915 is good. The flow of both the Truckee and Carson rivers has been at only moderate stages thus far this spring, so that the water supply has been well conserved in the mountains. The gates of the Lahontan reservoir were closed April 1st, and 20,000 acre-feet of stored water have been accumulated to date. Doubtless this will be increased to at least 60,000 acre-feet before the spring run-off subsides, and there will be use on the project for only half that amount this season. On the whole, the water supply situation is satisfactory."

NE STACK

[illegible]
JUL 1 1915

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

NEVADA SECTION

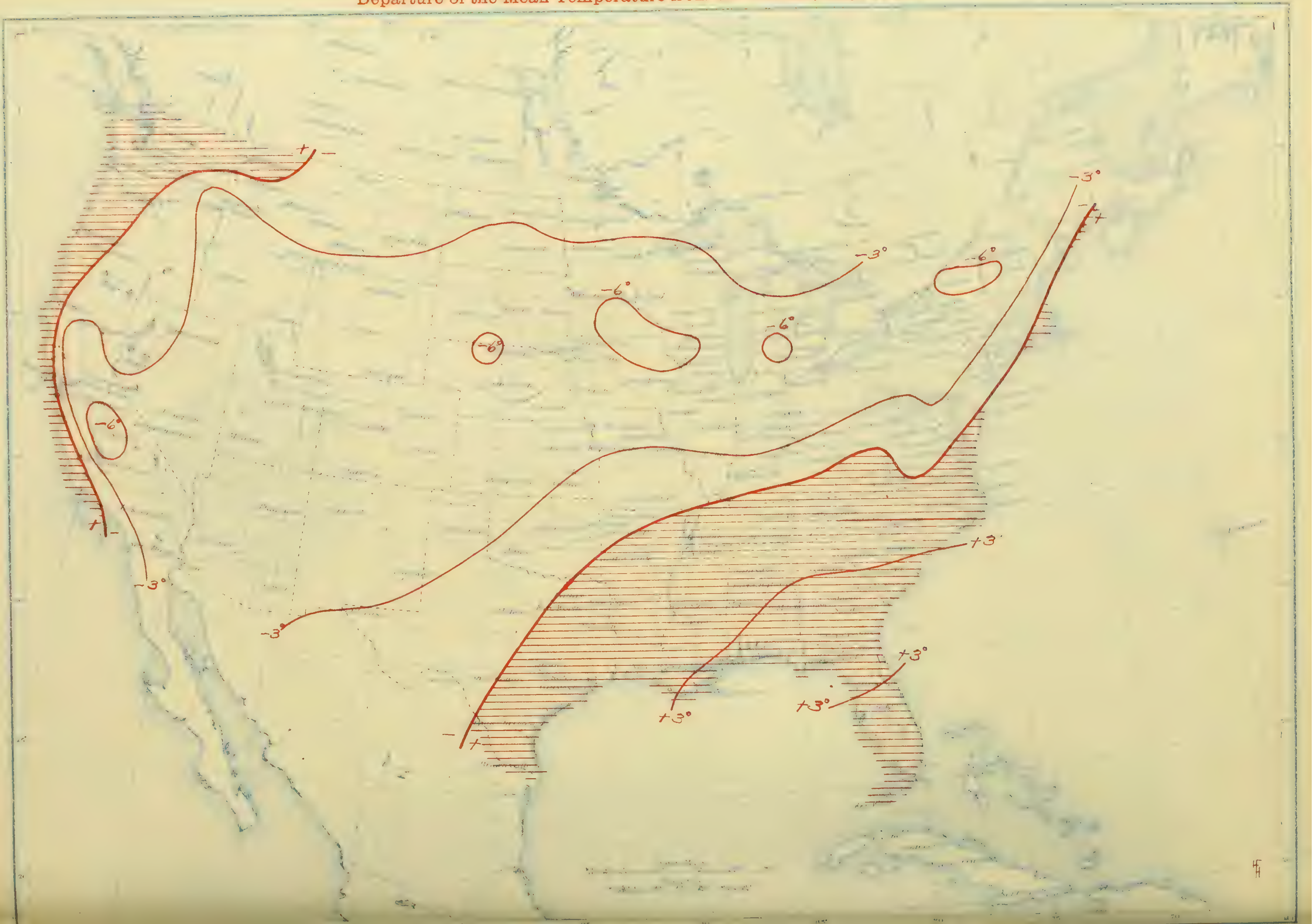
MAY, 1915

BY

HENRY F. ALCIATORE
SECTION DIRECTOR

RENO, NEV.
WEATHER BUREAU OFFICE
JUNE 18, 1915.

Departure of the Mean Temperature from the Normal, May, 1915.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALCIATORE, Section Director.

VOL. XXX. RENO, NEVADA, MAY, 1915. No. 5.

GENERAL SUMMARY.

Considered as a whole the month was a wet one, and somewhat cooler than usual. The most noteworthy meteorological feature was the belated and uncommonly cold weather that prevailed on the first two or three days, attended in many places by rain or snow. The lowest night temperatures ranging between 14° and 30° in the northern and between 12° and 39° in the southern section, were recorded during that period, damaging early fruit and causing some losses in young sheep on the northern ranges. With a few exceptions the monthly temperatures were below normal in all districts in spite of the high day temperatures and relatively warm nights of the closing week. Temperatures ranging from 96° to 103° were recorded (the first time this season) in Clark County on the 29th and 30th.

Light rain or snow occurred in some part of the State every day but one. The precipitation was fairly general on the first three days, and again during part of the second decade. As compared with the normal, excesses were noted at 20 out of the 29 stations for which normals are available. The deficiencies occurred in the western counties and a small portion of Elko County in the vicinity of Metropolis. For the section the average was 35 per cent above the normal, and has not been exceeded in the last nine years. Snow fell at 46 out of 48 stations at ordinary levels, in amounts ranging from less that one-tenth inch to 10 inches, the average fall for the State being 2 inches. In the elevated regions of the Truckee, Carson and Walker watersheds the fall has ranged from 3 to 7.5 inches. Logging operations in the camps about Verdi, in the Sierras, were more or less hindered by heavy snows. There is promise of an abundant supply of water for irrigation this summer in the Truckee and other basins in the west. In the Humboldt basin, owing to the small snowfall of winter, the rivers and streams are low and probably will remain low all summer, but the rains of May have been of immense benefit to the ranges, and cattle and sheep are in good condition generally. Bunch grass is reported higher and more plentiful than usual in some parts of the southwestern district. Alfalfa and cereals though somewhat late in some localities are doing well. The first crop of alfalfa in Clark County has been cut and stacked.

A considerable volume of dust from the volcanic outbreak of Mt. Lassen (California, latitude, 40 1-2 N.) was carried eastward across the greater part of northern Nevada on the 23d. The eruption occurred on the afternoon of Saturday, the 22d, and by Sunday morning, said the Elko Free Press, "the air was filled with volcanic dust to such an extent as to obscure the sun, and railroad trains from California stopped at Elko (about 300 miles east of Mt. Lassen) in order that passenger coaches might be cleaned." On the same day, the 23d, ashes fell at Rebel Creek and Paradise Valley, in Humboldt County.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 39 stations, was 53.2°. The mean for the 25 stations having ten or more years record was 2.0° below the normal. The highest recorded was 103°, at Logan on the 31st; the lowest was 12° at Lida on the 1st. The greatest daily range was 50° at Elko on the 7th. The highest monthly mean was 68.6° at Logan; the lowest was 40.0° at Gold Creek.

PRECIPITATION.

The average for 46 stations reporting was 1.34 inches. For the 29 stations having ten or more years record the mean was 0.35 inch above the normal. The average amount at 3 stations in the Columbia Basin was 3.07 inches; at 17 stations in the Humboldt Basin, 1.52 inches; at 8 stations in the Truckee Basin, 2.20 inches; at 5 stations in the Carson Basin 0.83 inch; at 4 stations in the Walker Basin, 1.02 inches; at 2 stations in the Colorado Basin, 0.84 inch; at 14 stations in the minor basins, 1.14 inches. The greatest monthly fall was 5.45 inches at Jack Creek; the least was 0.13 inch at Searchlight. The average number of days with precipitation for the State was 6.

SUNSHINE AND CLOUDINESS.

At Reno 66 per cent of the possible sunshine was recorded; at Winnemucca, 65 per cent; at Tonopah, 62 per cent. For the State, the average number of clear days was 9; partly cloudy, 12; cloudy, 10.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric Pressure (sea level)			Mean relative humidity		Wind.			
	Mean.	Highest.	Lowest.	5 a. m.	5 p. m.	Average hourly velocity	Maximum velocity Miles per hour	Direc.	Date.
Reno	29.86	30.27	29.52	71	38	8.7	33	w	17
Winnemucca	29.86	30.23	29.45	81	37	6.0	34	nw	31
Tonopah	29.81	30.17	29.52	68	40	10.3	43	nw	19

MISCELLANEOUS PHENOMENA.

(Dates of)

Solar Halos.—20, 22, 23, 30.

Lunar Halos.—21, 22, 27, 31.

Dense Fog.—8, 13.

Hail.—1, 2, 3, 4, 12, 13, 18, 28.

Thunderstorms.—1, 5, 6, 7, 8, 10, 17, 18, 19, 21, 24, 28, 29, 31.

Brisk Winds.—5, 8, 9, 10, 11, 12, 13, 14, 16, 18, 19, 20, 22, 25, 26, 27, 28.

COMPARATIVE DATA FOR MAY.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	57.8	106	20	1.44	3.6	5	13	8	10	sw
1890	59.9	105	23	1.05	0.4	4	18	7	6	s
1891	54.7	95	21	2.43	2.4	10	10	10	11	sw
1892	53.8	100	13	1.17	6.6	6	12	10	9	w
1893	52.6	98	18	0.41	0.8	3	16	7	8	sw
1894	56.3	95	16	0.89	1.0	4	15	8	8	sw
1895	56.1	105	18	0.55	2.5	4	13	9	9	sw
1896	48.2	108	5	2.03	4.0	6	10	9	12	w
1897	60.0	99	12	0.59	0.1	4	15	10	6	s
1898	51.8	93	20	1.84	1.6	7	11	9	11	w
1899	49.7	96	10	0.68	1.8	4	10	10	11	sw
1900	56.6	101	20	0.77	0.5	3	16	5	10	w
1901	56.2	94	19	0.86	1.2	4	13	8	10	sw
1902	53.7	102	16	0.37	1.0	3	15	8	8	sw
1903	54.1	106	15	0.70	2.4	3	16	7	8	sw
1904	54.0	98	10	0.84	1.1	3	18	6	7	n
1905	50.4	94	14	1.23	2.1	5	12	8	11	sw
1906	53.1	98	14	1.38	0.6	5	13	8	10	w
1907	51.8	99	13	0.56	0.9	3	13	10	8	w
1908	49.9	99	7	1.01	3.3	5	12	10	9	w
1909	52.8	100	10	0.18	0.3	2	15	10	6	w
1910	58.9	114	11	0.21	1.3	1	21	6	4	w
1911	50.6	97	16	0.45	0.6	2	13	10	8	sw
1912	54.0	101	20	0.46	0.2	3	15	10	6	w
1913	57.1	100	5	1.28	0.1	4	15	9	7	w
1914	59.4	111	10	0.53	T.	3	15	11	5	w
1915	53.2	103	12	1.34	2.0	6	9	12	10	w
Entire period	54.3	114	5	0.98	1.6	4	14	9	8	w

Climatological data for May, 1915.

Stations.	Counties.	Elevation, feet.	Temperature, in degrees Fahr.								Precipitation, in inches.					Number of days				Prevailing direction of the wind.	Observers.
			Length of record, years.	Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted.)	With precipitation (0.01 inch or more.)	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek	Elko	6,600	2	40.0		64	27	18	3	33	2	1.86		0.80	T.	9	2	14	16	w	Forest Supervisor.
Jack Creek**	do	6,300									2	5.45			T.	12	9	11	11	w	C. E. Butler.
Owyhee ††	do	5,400	4	47.5		75	30	24	2	42	4	2.81			T.	14					Indian Service.
San Jacinto	do	5,200	10	48.5	−0.3	75	30	25	†1	41	10	1.89	+0.50	0.61	1.0	9	13	12	6	sw	J. S. Parmley.
Humboldt Basin.																					
Arthur	Elko	6,500									5	3.35	+2.04	0.80	T.	8					Isaac Woodhouse.
Austin	Lander	6,594	26	47.4	−3.2	75	†30	19	1	35	26	2.21	+0.67	0.50	6.5	7	16	10	5		Forest Service.
Battle Mountain	do	4,513	44	55.6	−1.0	91	31	26	19	45	46	1.51	+0.71	0.80	T.	4	9	12	10		Southern Pacific Co.
Beowawe	Eureka	4,695	44	53.2	−4.3	83	31	26	2	38	46	1.15	+0.52	0.40	T.	5	17	11	3	s	Do.
Carlin	Elko	4,896	44								44										Western Pacific Co.
Clover Valley**	do	6,000	14	49.6	−1.6	80	30	19	1	40	22	0.86	−0.57	0.21	T.	7					I. F. Wiseman.
Dry Farm **	do	5,600	3	49.0		76	16	19	1	37	6	2.31	+0.47	0.53	T.	11	5	21	5	sw	Walfrid Sohlman.
Elko	do	5,063	44	52.0	−1.8	83	31	20	1	50	45	0.69	−0.07	0.36	T	3	10	14	7	w	Western Pacific Co.
Eureka	Eureka	6,837	17	51.3	+0.2	80	31	18	1	37	19	2.98	+1.50	1.02	3.5	6	4	10	17	n	Clay Simms.
Golconda	Humboldt	4,392	36	55.6	−0.8	86	31	24	1	43	38	1.66	+0.90	0.83	T.	3	6	0	25	w	Southern Pacific Co.
Halleck	Elko	5,229	22	49.5	−2.7	78	16	20	2	46	46						1	11	19	w	Do.
Hylton	do	7,081									5	2.23		0.67	T.	6	2	29	0	nw	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	2	51.6	−3.6	76	30	22	1	37	2	0.30	−0.31	0.20	T.	2	0	14	17	nw	Southern Pacific Co.
Lovelocks	do	3,977	21								19										High School.
Metropolis §	Elko	5,661	2								6	0.75	−0.21	0.18	1.5	7					O. M. Lloyd.
North Fork	do	6,500									6	2.26		0.68	0	8	1	0	30	s	Chas. Pratt.
Paradise Valley	Humboldt	4,500	2	49.6		78	30	22	2	42	6	0.87		0.21	T.	11	3	16	12	sw	R. M. Taylor.
Potts ††	Nye	6,002	22	48.2	−2.8	81	31	16	1	44	24	0.20	−0.91	0.15	2.0	2	5	11	15	s	Miss Maud Potts.
Slafter §	Elko	5,583	2								2										Geo. Kernan.
Tecoma	do	4,812	37	49.6	−4.4	76	13	21	4	43	39	1.55	+0.89	0.67	T.	6	1	24	6	w	Southern Pacific Co.
Wells	do	5,631	43			75	31				46	0.60	−0.36	0.60	6.0	1	10	13	8	sw	Do.
Winnemucca	Humboldt	4,344	36	52.3	−2.1	82	30	24	2	41	46	1.08	+0.05	0.46	5.2	10	9	10	12	sw	U. S. Weather Bureau.
Truckee Basin.																					
Fernley	Lyon	4,150	42	55.4	−2.0	88	30	23	2	47	46	0.60	+0.08	0.35	7.0	3	10	6	15		Mrs. G. A. Steele.
Glenbrook	Douglas	6,240	6								6										C. C. Henningsen.
Lewers Ranch **	Washoe	5,500	27	49.4	−3.6	83	27	22	2	43	28	1.87	+0.27		3.0	10	1	22	8		Ross Lewers.
Marlette Lake**	do	7,900									2	1.95		0.48	24.0	6	10	3	18	e	V. & G. H. Water Co.
Reno	do	4,532	28	52.1	−1.5	83	27	27	2	41	28	0.52	−0.27	0.33	0.5	7	9	12	10	w	U. S. Weather Bureau.
Bijou, Cal.		6,230									6	1.83		0.61	7.5	11	7	6	18	sw	Chas. Young.
Fallen Leaf, Cal.		6,400	3								3										W. W. Price.
Hobart Mills, Cal.		5,900									6	3.31		0.67	7.0	15	8	6	17	s	S. E. Patterson.
McKinney, Cal.		6,225	6								6	3.28		0.66	3.0	16	12	8	11	s	Fred Jensen.
Tahoe, Cal.		6,240	7	41.6		71	27	15	2	41	7	3.70		0.85	7.0	10	9	7	15		Mrs. Northrup A. Pomin.
Tallac, Cal.		6,230									6										W. D. Butt.
Carson Basin.																					
Fallon	Churchill	3,965	21	54.6	−1.1	84	†30	29	†1	39	21	0.21	−0.49	0.13	2.8	4	13	10	8	ne	U.S. Experiment Station.
Gardnerville	Douglas	4,830	24	^{f}50.5	−3.0	^{f}78	†27	^{f}26	3	^{f}42	25	0.87	+0.20	0.61	T.	5				w	Forest Service.
Lahontan	Churchill	4,200	3	59.2		83	31	32	1	20	5	0.33		0.15	T.	6	1	14	16	w	U.S. Reclamat'n Service.
Markleeville, Cal.		5,525									6	1.02		0.53	T.	5	7	14	10	s	Mrs. Mary Thornburg.
Woodfords, Cal.		5,634									6	1.71		0.42	5.0	10				sw	Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	8	54.2	−4.6	86	31	27	1	40	19	0.16	−0.58	0.11	1.1	5	16	0	15		Southern Pacific Co.
Smith	Lyon	4,800									7	1.48		0.58	3.0	5	12	10	9	sw	C. M. Carter.
Thorne §	Mineral	4,200	2			87	31				2						12	10	9	w	Southern Pacific Co.
Yerington §	Lyon	4,375	6	54.0	−1.3	84	31	26	2	42	6	0.65	+0.23	0.36	3.0	5	11	14	6	sw	High School.
Bridgeport, Cal.		6,500	2	43.6		80	27	18	2	50	4	0.91		0.34	7.5	9	11	11	9	w	A. F. Scott.
Shields Ranch, Cal. **		5,300									6	1.04		0.43	T.	7					Frank W. Chichester.
Colorado Basin.																					
Caliente § ††	Lincoln	4,407	5	61.8	+6.6	88	27	30	†1	36	5	0.23	−0.64	0.10	0	6				s	Salt Lake Route.
Indian Springs § **	Clark	3,136	2								2										Ira McFarland.
Lake Valley**	Lincoln	6,200	2								2										Valley View Farm'g Co.
Las Vegas	Clark	2,033	13	66.8	−0.1	101	31	34	1	44	13	1.40	+1.34	1.03	0	4	17	9	5	s	C. P. Squires.
Logan §	do	1,355	8	68.6	−2.8	103	31	39	1	48	16	0.27	+0.17	0.09	0	4	14	10	7		Experiment Farm.
Minor Basins.																					
Cherry Creek	White Pine	6,450	7	50.3		84	16	18	1	43	7	1.72		0.79	4.0	10	7	15	9	w	J. H. Leishman.
Columbia**	Esmeralda	5,700	8	52.5		88	31	19	1	38	10	0.48		0.17	1.0	7	8	14	9	se	A. Booth.
Gerlach ††	Washoe	3,931	3	50.8		89	28	20	3	49	3	0.07		0.05	0.5	2	13	4	4	sw	Western Pacific Co.
Jean	Clark	2,864	7	64.9		99	†12	30	1	46	8						18	13	0	w	Salt Lake Route.
Jungo	Humboldt	4,165									2						3	21	7	sw	Western Pacific Co.
Lida §	Esmeralda	6,037	3	48.2	−2.4	83	31	12	1	31	3	1.97	−0.11	0.57	10.0	4	17	10	4	se	L. F. Detwiler.
McDermitt	Humboldt	4,700	25	49.8	−3.8	80	30	22	2	36	25	2.82	+1.20	0.46	T.	13	5	16	10	w	U. S. Indian Service.
McGill §	White Pine	6,338	5	51.9	+0.9	80	†16	23	1	39	5	2.75	+1.46	1.29	0.5	6	8	12	11	s	R. E. Middagh.
Millett	Nye	5,040	7	50.7		82	31	14	1	43	8	0.24		0.14	0	2	13	4	14	s	Fred J. Jones.
Oasis Ranch § **	Esmeralda	5,106	3	56.6	+1.4	92	31	22	1	48	3	0.21	−0.42	0.20	2.0	2	24	4	3	s	Arthur L. Stewart.
Pahrump **	Nye	2,608	2								2										F. A. Buol.
Quinn River Ranch **.	Humboldt	4,850	13			82	30				14	0.85	+0.38	0.34	T.	4	3	9	19	s	F. M. Payne.
Rebel Creek	do	4,300	3	53.4		83	29	24	†2	38	4	2.18		0.61	2.5	8				sw	Mrs. E. J. Hyatt.
Rhyolite	Nye	3,680	2	60.9		90	30	27	1	39	2	1.07		0.65	T.	6	16	12	3	s	Secretary School Board.
Sand Pass	Washoe	4,198	2	55.2		87	31	27	2	40	2	0.41		0.15	T.	6	4	14	13	w	R. R. Mott.
Searchlight	Clark	3,445	2	63.2		92	31	30	1	39	2	0.13		0.05	T.	3	10	8	13	sw	C. L. Aug. Mahn.
Sharp	Nye	6,200	2	48.0		80	31	20	1	36	2	1.22		0.40	T.	6	14	9	8	w	F. A. Sears.
Sulphur ††	Humboldt	4,044	2	53.4		80	31	28	†1	40	2	0.75		0.50	0	2	11	14	4		Western Pacific Co.
Tonopah	Nye	6,090	10	50.3		81	31	18	1	29	10	0.35		0.15	3.9	5	8	16	7	se	U. S. Weather Bureau.
Vya ††	Washoe	5,500	2								2	0.56		0.23	T.	9	1	30	0	sw	W. N. Lord.
For the State				53.2	−2.0	103	31	12	1	50		1.34	+0.35	1.29	2.0	6	9	12	10	w	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post office addresses of these stations are as follows: Of Jack Creek, Tuscarora; of Clover Valley, Wells; of Dry Farm, Lamoille; of Lewers Ranch, Franktown; of Marlette Lake, Virginia City; of Shield's Ranch, Coleville, Cal.; of Indian Springs, Las Vegas; of Lake Valley, Pioche; of Columbia, Goldfield; of Oasis Ranch, Oasis, Cal.; of Pahrump, Shoshone, via Tecopa, Cal.; of Quinn River Ranch, Amos.

Reference letters ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing, for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for May, 1915.

Stations.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	[illegible]
Columbia Basin.																																
Gold Creek	T	.04										.86					.30	.13	.06		.16	.09		.21				[illegible]				[illegible]
Jack Creek	.10			.31				T	T	T	.05	.20	.21			*	*	*	3.20		.45	.12		.51		T						[illegible]
Owyhee	.25		.12								.20	.18	.10				*	*	1.03		[illegible]	.10	.06	.08	.01			[illegible]				[illegible]
San Jacinto	.15		.08									.17		.10			.61	.06			.24			.20				[illegible]				1.89
Humboldt Basin.																																
Arthur	.20	T.															.50	.80	.10	.20				.20		[illegible]		[illegible]				[illegible]
Austin ‖	T.											.35	.50	T		.37	.26	.29	.13				.01									[illegible]
Battle Mountain ‖	T.											.30	T			.10	.01	.80														[illegible]
Beowawe ‖	T	T.										.40	.05			.20	.40	.10														[illegible]
Carlin																																
Clover Valley	.15																.10			.10	.02		.10				.21	.18				0.86
Dry Farm	.11	.04							.07				.11	.07			.50	.53	.32		.42		T	.03	.11							2.31
Elko	T.										T	T					.36	T	.18					T				.15				0.69
Eureka		.01	T					.05			T						.70	.50	1.02					.70								2.98
Golconda	T.											.65						.83										.18				1.66
Halleck																																
Hylton	T.																.67	.56	.47		.19			.22				.12				2.23
Imlay	T.																T	.20	.10													0.30
Lovelocks																																
Metropolis	.08	.03	.05	T.	T.				T.								.18	.15			.14							.12	T.			0.75
North Fork											.30	.50	.20				.68			.05	.30	.07		.16								2.26
Paradise Valley	T.	.01	.02	T.				T.	.03	.03	T.	.04	.20	T.		T.	.19	.03	.09		T.		T.					.21			.02	0.87
Potts	.15																	T.	.05					T.								0.20
Shafter																																
Tecoma	.18	T.	T.														.26	.18			.15				.11			.67				1.55
Wells	.60																															0.60
Winnemucca***	.12	T.	T.	.04				T.	.01	T.	T.	.14	.11				.18	.19	.07	T.				.05				.15			.02	1.08
Truckee Basin.																																
Fernley	.35			.14	T.								.11																			0.60
Glenbrook																																
Lewers Ranch	*	*	*	1.05					.15			*	.30			.12			.15					.10								1.87
Marlette Lake ‖	.22	.41		.48	.20				.21										.43													1.95
Reno***	.10	T.	.16	.17		T.		T.	T.		T	T.	.02				T.	.02	.04				T.	T.				.01				0.52
Bijou, Cal	.46	.03	.05	.04	.07			T.	.15	.09	.61	.14	.16			T.	.03	T.					T.	T.								1.83
Fallen Leaf, Cal																																....
Hobart Mills, Cal	.35		.02	.17	.02	.01	.01		.41	.32	.67	.38	.34				.22	.06	.11					.22								3.31
McKinney, Cal	.06	.04	.09	.24	.12				.57	.66	.45	.02	.22	.02			.27	.16	.05				T.	.21				.07				3.28
Tahoe, Cal	.38	.03	T.	.85	T.				.76	.45	.47	.25	.08			T.	.32							.11								3.70
Tallac, Cal																																
Carson Basin.																																
Fallon	.13								T.		T.	.05	.02				T.	T.	T.									.01				0.21
Gardnerville	T.	T.		.61		.02					.12	T.	.09											T.				.03				0.87
Lahontan ‖	T.	T.	.15	.02	.02			T.	T.			.06	.02				T.	T.										.06				0.33
Markleeville, Cal		T.	.10	.12							.53	.17											.10					T.				1.02
Woodfords, Cal	.18	.09	.12	.08	.06					.12	.38	.42					.14							.12			T.					1.71
Walker Basin.																																
Mina	.11			.01			.01					.02						.01														0.16
Smith	.30	.05	T.	.50	.58	.05					T.																					1.48
Thorne																																...
Yerington	.36		T.	.05	.19						T.	T.	.02						.03									T.				0.65
Bridgeport, Cal	.08	.01	.08	.34	.20						.01	.10					.08		.01													0.91
Shields Ranch, Cal	.11		.07	.43	.23						.10	.07					.03															1.04
Colorado Basin.																																
Caliente	.02	.02			.10						.05									.02	.02											0.23
Indian Springs																																
Lake Valley																																
Las Vegas	T.	.26		T.	1.03	.04											T.		.07													1.40
Logan	.07	.09			.05												.06															0.27
Minor Basins.																																
Cherry Creek	.14	.01					T.	T.	.02								.19	.06		.12	.04		T.	.26	.79			.09			T.	1.72
Columbia	.01	.12	.03	.03	.17	.03											.09		T					T.								0.48
Gerlach	.02	T.															.05															0.07
Jean																																
Jungo																																
Lida	T.	.48	.22	T	.57												.20							T.				T.				1.47
McDermit	.24							T.	T.	.25	T.	.09	.16				.22	.46	.26		.32	.06	.04					.24	.19		.29	2.82
McGill	T.	T.						T.									.10	*	1.72					*	.65			.28				2.75
Millett												T.					.14			.10												0.24
Oasis Ranch.**	.20			.01																												0.21
Pahrump																																
Quinn River Ranch	T.											.12	.34				.17	.22														0.85
Rebel Creek	.21		T.					T.	.22		.10	.10					.42	.61	.50	T.	T.		T.	T.	T.			.02				2.18
Rhyolite	.14	.20			.65	.05											.01	.02														1.07
Sand Pass	.13	T.	T.	T.	.03				.03		.06	.15											T.		T.				.01			0.41
Searchlight	.04	.05				.04																										0.13
Sharp	.20	T.	.02		.20												.20	.20	.40	T.								T.				1.22
Sulphur		.25		T.								T.					T.	.50										T.				0.75
Tonopah***	T.	.15	.10	.07	.01	T.					T.		T.				.02	T.	T.					T.				T.				0.35
Vya	.05	T.	T.		T.			T.	.10	.04	.23	.05	.02			T.	.01				.03		.03					T.				0.56

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight.

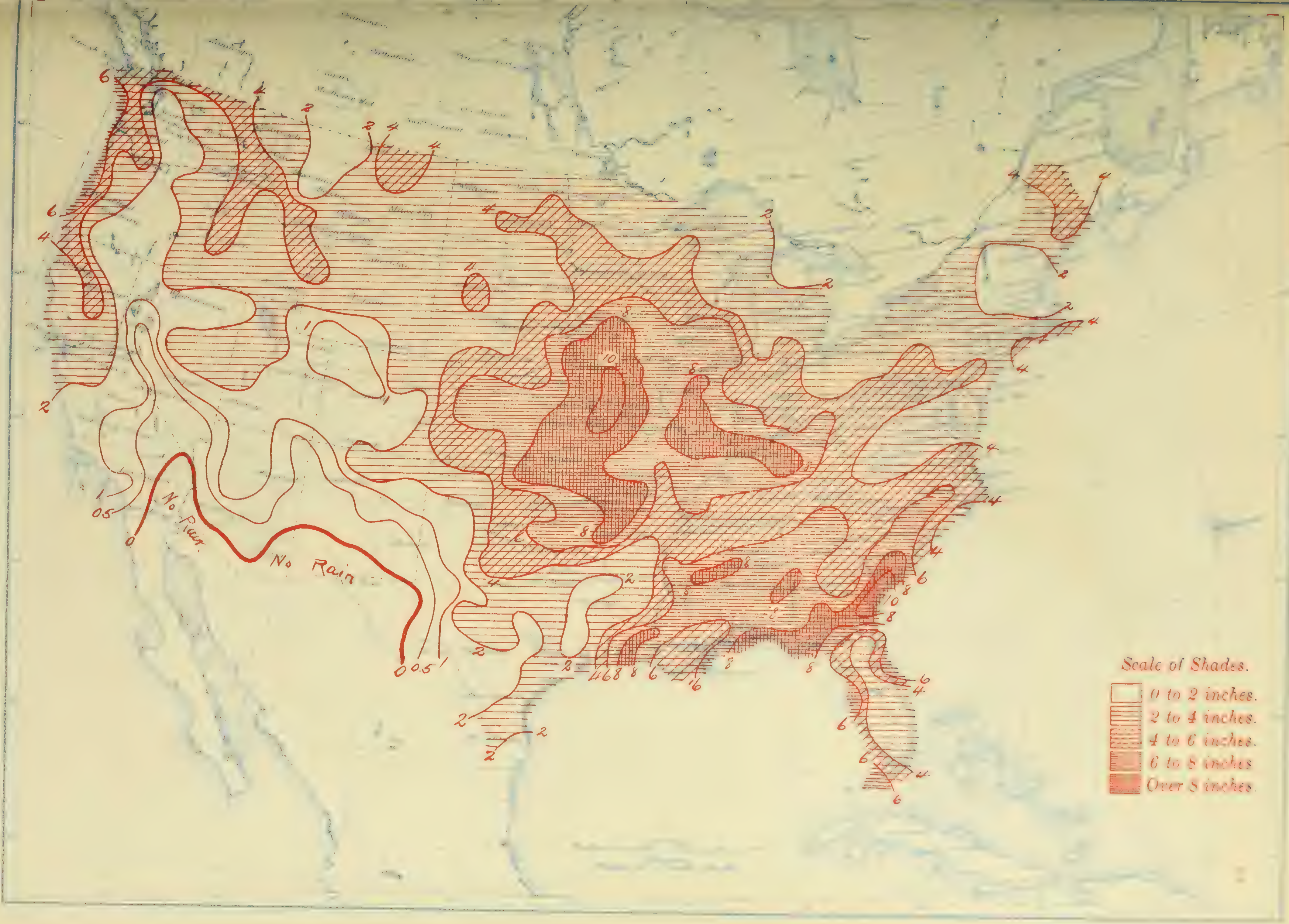
‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

T. Trace, or less than 0.01 inch. ** Incomplete.

Daily temperatures for May, 1915.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek	Maximum	35	36	32	41	42	51	57	58	58	53	55	44	50	51	57	57	41	37	40	46	45	53	50	51	48	49	64	44	57	60	61	49.1
	Minimum	22	21	18	19	28	29	25	27	37	33	34	36	37	33	27	35	33	36	32	30	30	32	32	32	32	31	31	40	31	32	44	30.9
Owyhee	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
San Jacinto	Maximum	47	44	47	53	56	59	65	72	69	60	63	65	67	60	68	73	58	61	48	66	56	65	62	58	57	60	68	63	68	75	73	61.5
	Minimum	25	30	26	25	26	37	29	31	33	33	35	38	43	40	42	40	41	37	39	37	32	33	34	35	40	40	45	43	35	37	40	35.5
Humboldt Basin.																																	
Austin	Maximum	45	48	46	47	54	56	61	...	62	67	61	62	53	59	70	72	48	44	49	51	58	65	57	60	55	62	72	70	71	75	75	59.2
	Minimum	19	22	30	31	30	33	39	...	37	41	37	35	32	32	45	37	35	31	28	34	34	41	36	30	38	38	47	39	45	47	45	35.6
Battle Mountain §§	Maximum	47	43	61	68	75	75	78	78	70	78	66	67	62	68	76	82	66	55	63	70	66	72	63	73	71	80	85	82	80	84	91	70.8
	Minimum	28	30	31	33	32	35	42	48	40	48	45	45	43	42	43	44	43	39	26	45	44	43	41	41	45	39	40	44	40	42	51	40.4
Beowawe §§	Maximum	48	52	55	60	63	70	68	72	69	70	72	65	65	63	73	66	70	63	65	62	64	65	66	68	65	68	78	78	75	82	83	67.2
	Minimum	28	26	29	30	37	38	38	40	40	42	41	40	40	35	48	41	40	38	31	44	43	41	38	40	42	37	47	40	38	55	51	39.3
Clover Valley	Maximum	44	49	50	54	58	63	69	66	69	68	72	71	60	71	77	67	57	56	58	59	67	68	62	60	62	61	68	69	75	80	...	63.7
	Minimum	19	25	24	22	32	32	37	40	36	36	37	36	38	31	37	36	40	37	34	35	36	35	39	39	41	43	40	39	37	50	...	35.4
Dry Farm	Maximum	48	44	50	53	55	59	62	66	62	67	63	64	65	60	70	76	69	53	54	52	52	61	65	56	55	60	70	71	72	75	75	61.4
	Minimum	19	24	28	26	27	34	32	40	42	40	42	41	38	37	37	41	34	33	34	34	33	40	37	41	39	42	37	45	41	38	55	36.5
Elko	Maximum	45	55	53	59	65	73	80	73	75	72	67	73	68	65	71	79	75	63	52	60	65	67	70	65	65	65	72	75	71	78	83	67.7
	Minimum	20	24	28	27	30	29	30	31	44	34	38	42	39	40	32	39	39	42	39	35	40	40	40	41	40	38	35	42	36	40	53	36.4
Eureka	Maximum	43	47	45	54	56	60	67	67	67	75	74	74	78	66	74	77	70	57	48	55	62	69	65	60	57	62	72	70	72	79	80	64.6
	Minimum	18	21	25	30	30	27	32	40	38	38	40	39	44	42	45	49	35	45	39	34	34	40	43	40	33	43	37	50	45	49	52	38.0
Golconda	Maximum	44	48	58	60	70	72	74	74	72	75	75	82	65	68	77	75	72	64	68	65	71	72	70	68	72	80	85	75	76	78	86	70.7
	Minimum	24	34	32	30	35	36	36	38	46	46	48	46	45	40	37	43	42	44	38	33	46	45	44	44	40	38	42	50	42	44	48	40.5
Halleck	Maximum	44	52	56	62	65	62	65	70	72	71	65	72	65	68	72	78	72	72	52	58	60	65	68	70	72	68	64	58	56	54	52	63.9
	Minimum	22	20	28	32	35	34	32	28	31	25	40	42	28	32	40	34	38	42	38	40	38	40	42	43	45	40	40	38	37	35	30	35.1
Imlay	Maximum	50	52	56	56	60	64	70	73	65	60	66	60	61	65	69	70	65	64	60	55	58	59	60	70	71	72	70	75	74	76	74	64.5
	Minimum	22	26	27	33	29	32	35	36	44	43	48	44	40	39	45	49	45	34	35	34	33	38	39	38	40	39	45	42	48	50	44	38.7
Paradise Valley	Maximum	42	49	50	57	62	63	69	71	62	63	61	68	59	61	68	75	63	56	57	61	62	64	58	62	62	69	75	69	72	78	77	63.4
	Minimum	30	22	23	24	31	28	28	38	44	43	41	41	43	35	32	36	41	37	38	27	42	37	37	38	29	41	33	45	35	40	52	35.8
Potts	Maximum	40	43	40	53	47	50	65	64	65	68	70	68	65	77	70	65	60	52	44	53	59	69	65	62	63	74	67	75	80	80	81	62.4
	Minimum	16	20	29	28	30	32	35	34	40	45	34	30	30	33	40	40	40	34	32	29	39	35	32	34	33	37	40	32	39	41	44	34.1
Tecoma	Maximum	52	50	51	62	60	64	68	73	72	74	75	74	76	74	69	70	67	58	55	63	62	60	69	60	63	65	70	68	70	72	75	65.8
	Minimum	30	27	25	21	25	35	25	35	33	38	36	35	38	35	31	32	30	41	30	35	33	35	36	32	28	43	44	35	33	36	40	33.3
Wells	Maximum	48	49	48	51	54	60	62	64	69	70	64	65	67	68	70	72	50	45	52	54	55	60	62	58	63	64	65	69	70	74	75	61.2
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Winnemucca	Maximum	46	48	54	61	64	66	70	74	62	68	64	70	57	65	74	78	59	56	58	60	64	69	62	59	64	71	79	70	76	82	80	65.5
	Minimum	28	24	29	31	35	31	34	39	45	41	47	43	44	40	37	43	42	40	36	31	44	40	44	41	36	45	38	48	40	46	50	39.1
Truckee Basin.																																	
Fernley	Maximum	44	54	56	57	63	67	76	74	74	71	67	68	66	70	82	79	70	60	60	65	70	77	73	65	70	75	83	81	84	88	85	70.1
	Minimum	28	23	31	37	34	40	40	40	40	47	47	39	45	33	35	50	48	44	40	37	35	37	43	42	40	48	39	54	41	53	55	40.8
Lewer's Ranch	Maximum	43	50	52	50	62	66	70	64	55	61	55	60	55	60	73	71	52	56	56	58	61	66	59	57	66	75	83	67	76	71	76	62.1
	Minimum	25	22	28	32	35	30	32	37	37	42	42	41	39	35	35	45	40	38	33	30	32	33	41	41	29	42	40	50	37	46	44	36.6
Reno	Maximum	44	50	50	50	61	65	70	67	57	62	57	65	57	61	76	70	56	55	55	58	61	67	60	57	68	74	83	74	77	81	81	63.5
	Minimum	27	27	33	35	37	35	39	42	45	48	48	44	43	37	38	45	45	41	35	34	36	40	48	41	35	50	42	54	43	45	39	40.7
Fallen Leaf, Cal.	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tahoe, Cal.	Maximum	36	38	42	43	52	54	60	54	45	52	45	50	48	53	65	64	52	44	47	49	52	58	53	45	65	67	71	68	65	69	69	54.0
	Minimum	20	15	21	29	27	26	27	26	34	36	32	35	31	26	29	31	32	31	28	24	25	26	34	34	24	28	34	40	31	32	34	29.1
Carson Basin.																																	
Fallon	Maximum	43	52	54	56	63	67	72	74	69	71	63	69	63	70	77	80	67	61	59	64	70	74	68	67	69	75	81	75	78	84	84	68.4
	Minimum	29	29	32	38	35	35	37	41	42	40	47	41	40	33	39	46	49	46	40	32	35	41	45	50	34	48	43	54	41	45	54	40.7
Gardnerville	Maximum	43	...	54	50	58	62	69	67	...	66	61	65	61	65	72	...	72	61	56	61	65	70	...	68	64	74	78	78	74	...	...	64.6
	Minimum	27	...	26	33	35	30	33	37	...	41	46	45	47	34	38	...	40	37	36	27	30	35	...	44	27	40	36	49	37	...	...	36.4
Lahontan §§	Maximum	42	52	52	58	58	62	68	70	70	67	59	59	58	66	74	76	58	56	58	60	69	72	68	70	69	72	80	72	78	81	83	65.7
	Minimum	32	39	41	44	48	50	52	58	59	55	55	53	52	52	56	56	52	44	44	48	54	57	55	56	56	58	63	58	58	63	67	52.7
Walker Basin.																																	
Mina	Maximum	42	50	52	50	52	63	70	71	72	76	70	60	60	72	80	80	85	60	55	60	70	75	60	65	60	75	80	80	80	85	86	67.6
	Minimum	27	30	35	35	39	38	35	36	42	40	50	30	40	39	41	46	49	40	40	40	41	44	40	51	40	45	45	40	44	52	55	40.9
Thorne	Maximum	65	67	69	73	77	79	78	78	77	77	76	76	74	73	78	81	74	68	61	65	70	72	66	67	65	77	80	78	78	84	87	73.9
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Yerington	Maximum	44	52	54	54	59	64	70	70	68	74	69	72	62	70	77	74	67	61	57	65	68	74	69	66	67	73	80	76	76	83	84	67.7
	Minimum	28	26	30	38	37	35	38	40	40	43	54	42	39	32	35	45	47	39	38	31	54	47	44	46	33	40	41	54	42	46	45	40.3
Bridgeport, Cal.	Maximum	35	40	45	42	43	55	53	55	57	62	54	51	52	62	72	65	55	51	49	56	56	65	60	55	61	67	80	72	70	74	73	57.6
	Minimum	20	18	22	30	32	24	24	30	32	36	36	35	26	25	26	35	34	30	31	20	24	28	35	35	21	33	30	38	30	34	40	29.5
Colorado Basin.																																	
Indian Springs	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Las Vegas	Maximum	56	60	67	74	62	74	79	79	80	89	94	96	87	85	95	97	81	79	74	80	84	84	80	82	84	88	91	93	94	96	101	82.7
	Minimum	34	35	38	41	42	45	46	47	47	50	50	63	62	52	54	54	54	51	53	47	47	66	52	54	58	52	54	54	58	59	60	50.9
Logan	Maximum	56	60	69	75	69	74	79	83	83	89	97	97	91	87	95	97	86	85	80	78	86	92	93	89	86	89	93	95	97	100	103	85.6
	Minimum	39	40	41	45	51	49	48	50	53	50	50	56	56	49	49	49	56	47	47	47	49	50	50	68	51	51	61	54	66	61	62	51.5
Minor Basins.																																	
Cherry Creek	Maximum	41	45	47	52	55	60	67	68	65	75	73	78	74	65	76	84	68	55	55	49	57	67	72	69	58	60	67	65	68	75	74	64.0
	Minimum	18	20	25	26	30	30	33	37	39	38	46	40	48	38	35	41	43	39	34	33	37	41	40	43	32	35	40	42	37	43	53	36.6
Columbia	Maximum	35	40	45	50	51	60	67	63	68	72	75	71	66	70	78	79	67	59	53	63	69	74	72	65	63	72	78	70	78	83	88	65.9
	Minimum	19	25	30	35	34	32	33	37	40	42	47	52	42	36	40	44	45	36	36	33	38	40	44	46	34	38	44	51	43	45	52	39.1
Gerlach	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Jean	Maximum	52	52	64	69	60	76	75	74	84	86	93	99	93	81	90	95	89	74	61	74	81	86	89	83	79	85	87	93	92	97	99	81.0
	Minimum	30	34	40	37	53	42	40	43	42	44	52	58	57	45	44	50	63	61	52	45	46	48	47	62	50	46	60	49	55	56	61	48.8
Lida	Maximum	25	35	40	42	41	48	56	54	61	64	67	70	64	67	71	69	65	43	47	58	62	61	62	56	57	64	71	63	72	75	83	58.6
	Minimum	12	23	28	30	31	35	37	33	39	34	39	51	41	38	43	43	40	36	33	34	39	39	46	42	34	35	49	47	44	49	52	37.9
McDermit	Maximum	41	48	50	57	59	64	68	74	60	62	58	66	60	58	59	74	64	52	55	59	56	62	59	61	62	66	76	68	72	80	76	62.1
	Minimum	26	22	28	32	34	35	35	41	43	37	40	41	42	34	36	38	40	38	37	29	38	36	42	35	30	44	40	49	39	50	51	37.5
McGill	Maximum	38	45	49	54	57	64	70	67	65	78	76	75	71	78	76	80	74	58	47	54	61	68	66	70	57	64	73	73	72	75	80	65.6
	Minimum	23	24	24	27	32	33	34	37	39	43	44	59	48	45	37	43	39	36	33	34	38	39	42	49	33	36	39	44	40	44	46	38.2
Millett	Maximum	43	47	52	52	56	63	69	69	75	70	73	73	68	67	77	78	72	57	52	62	67	73	67	63	70	70	79	70	74	81	82	66.8
	Minimum	14	23	23	32	29	28	27	38	33	35	43	30	39	30	34	36	40	41	38	32	34	39	38	41	32	31	43	39	35	43	49	34.6
Oasis Ranch	Maximum	45	55	55	65	60	65	70	69	75	70	82	80	78	82	81	86	73	73	62	71	81	82	81	71	70	80	84	85	86	88	92	74.1
	Minimum	22	25	33	32	30	40	33	38	40	35	44	46	40	36	35	38	65	50	39	32	38	40	40	39	37	37	49	44	45	44	49	39.2
Quinn River Ranch	Maximum	42	55	51	65	65	71	71	75	61	68	61	70	61	64	74	75	70	55	59	63	68	68	61	63	67	72	81	73	78	82	81	66.8
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	47	39	53	37	50	38	39	50	...
Rebel Creek	Maximum	47	52	55	60	62	74	76	72	65	64	68	65	65	66	71	76	74	52	56	68	71	71	60	61	66	75	77	78	83	...	79	67.0
	Minimum	26	24	24	28	29	37	40	40	44	39	40	42	40	41	34	42	45	43	35	40	45	50	40	45	33	56	43	50	45	...	56	39.9
Rhyolite	Maximum	41	46	54	60	57	69	71	69	68	75	78	81	76	78	85	85	84	68	62	68	79	81	83	80	71	83	88	86	85	90	88	73.8
	Minimum	27	29	30	39	35	44	44	43	46	48	51	54	50	45	46	57	54	46	46	50	51	48	50	52	43	49	60	60	62	65	63	48.0
Sand Pass	Maximum	43	54	58	60	68	70	73	75	63	66	59	63	67	67	78	74	69	59	61	66	70	72	64	63	71	79	82	82	80	86	87	68.7
	Minimum	30	27	31	40	38	36	40	40	45	45	45	42	42	41	38	51	46	47	40	34	40	40	42	41	38	48	47	54	43	49	52	41.7
Searchlight	Maximum	42	51	62	63	55	63	67	68	76	80	89	87	77	77	85	89	72	70	63	70	79	84	84	78	72	80	80	88	88	90	92	74.9
	Minimum	30	35	36	47	45	45	45	50	51	51	57	60	55	46	46	62	57	47	47	46	48	49	56	60	50	55	59	64	64	62	67	51.4
Sharp	Maximum	38	40	44	52	49	58	60	64	66	69	69	67	69	68	65	70	60	54	46	57	63	68	68	65	59	65	71	72	71	75	80	62.0
	Minimum	20	23	21	24	32	27	28	29	30	36	35	39	36	34	30	36	40	32	35	36	37	34	35	45	35	34	43	38	38	41	50	34.0
Sulphur	Maximum	45	45	45	62	68	75	76	75	62	65	67	68	64	64	75	76	71	56	60	64	68	69	68	62	66	72	74	70	69	72	80	66.2
	Minimum	28	28	30	35	37	37	36	40	43	44	45	45	50	40	37	39	46	42	40	36	39	41	46	42	38	41	42	51	51	45	50	40.5
Tonopah	Maximum	33	36	39	43	48	55	61	58	62	69	69	67	60	63	73	73	61	51	49	58	62	67	65	62	59	68	73	67	71	78	81	60.7
	Minimum	18	24	28	35	35	36	42	41	40	43	47	41	38	35	44	50	38	35	34	33	38	41	50	39	32	43	45	52	48	52	58	39.9

a, b, c, etc., indicates respectively 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
No Rain
No Rain.

CORRECTIONS.

March, 1915.—Page 20, Fernley, date of highest temperature should be 22†. Lewers Ranch, date of lowest should be 5†.

April, 1915.—Page 28, Gold Creek, mean temperature should be 42.0. Owyhee, total precipitation should be 1.70; days with rain, 5. Reno, temperature departure should be plus. Tonopah, greatest 24-hour precipitation should be 1.97. Page 29, Owyhee, on 30th, should be .40; total should be 1.70.

LATE REPORTS.

January, 1915.—Shafter: mean temperature, 17.9; highest, 46 on 31st; lowest, −24 on 23d; total precipitation, 0.24; snowfall, 5.0; days rain 5, clear 23, partly cloudy 5, cloudy 3.

February, 1915.—Shafter: mean temperature, 30.6; highest, 48 on 2d and 17th; lowest, 0 on 5th; total precipitation, 0.33; snowfall, 7.0; days rain 5, clear 9, partly cloudy 10, cloudy 9.

March, 1915.—Clover Valley: mean temperature, 40.0; highest, 69 on 22d; lowest, 11 on 6th; total precipitation, 0.45; days rain 3. Caliente: mean temperature, 48.5; highest, 82 on 26th and 27th; lowest, 22 on 1st, 3d, 9th and 12th; total precipitation, 0.21; snowfall, none; days rain 6. Dry Farm: mean temperature, 40.4; highest, 65 on 22d and 23d; lowest, 14 on 1st; total precipitation, 0.64; total snowfall, 4.3; days rain 3, clear 12, partly cloudy 9, cloudy 10. Quinn River Ranch: highest temperature, 75 on 21st and 22d; total precipitation, 0.06; total snowfall, 0.6; days rain 1. Shafter: mean temperature, 36.6; highest 68 on 22d; lowest, 10 on 6th, 19th and 21st; total precipitation, 0.32; total snowfall, 2.5; days rain 2, clear 13, partly cloudy 16, cloudy 2.

April, 1915.—Oasis Ranch: total precipitation, 0.60; total snowfall, 2.5; days rain 4. Caliente: mean temperature, 52.0; highest, 72 on 11th, 12th, 21st, 22d; lowest, 32 on 30th; total precipitation, 1.25; total snowfall, 1.0; days rain 6, clear 15, partly cloudy 0, cloudy 15.

JUL 20 1915

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

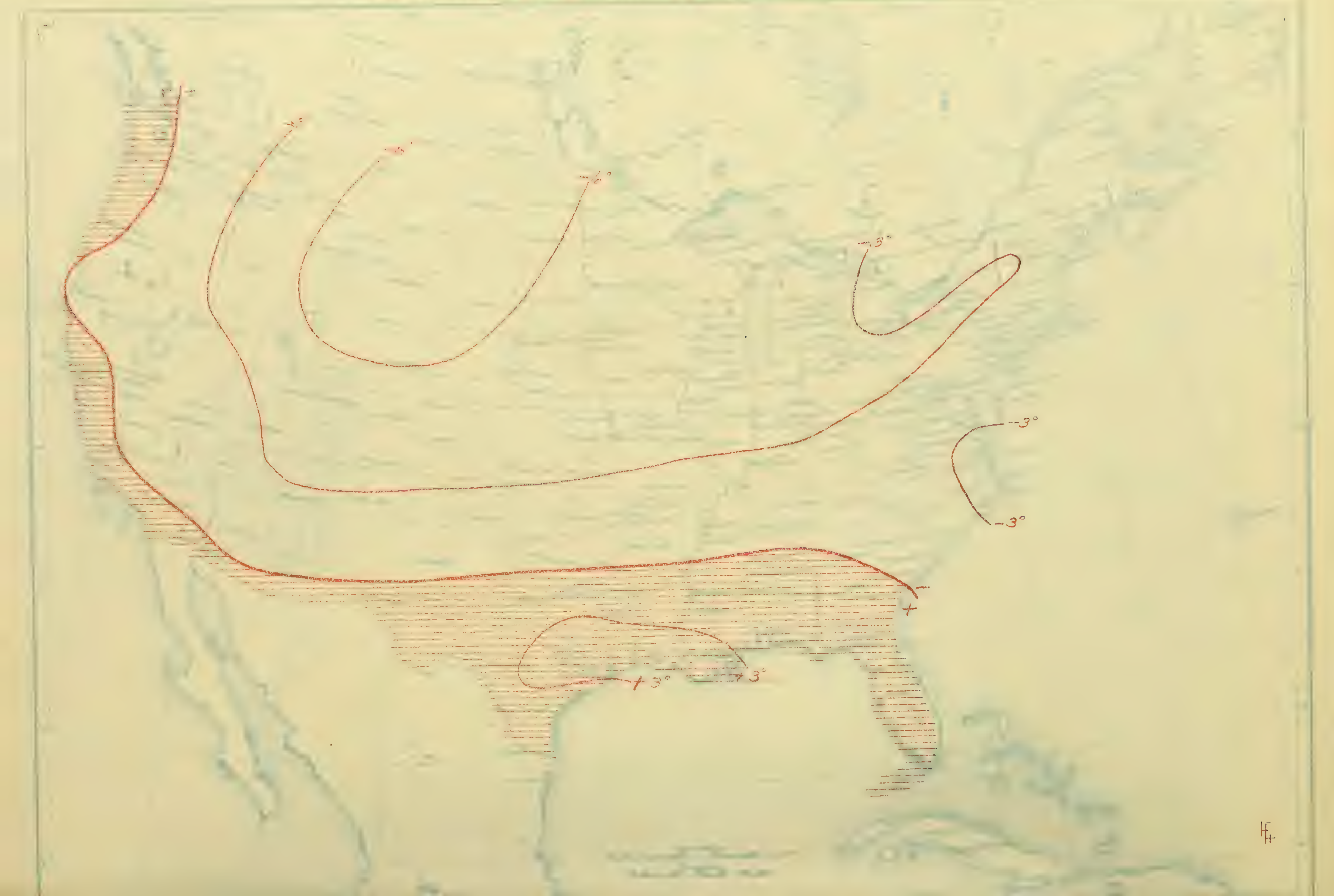
NEVADA SECTION

JUNE, 1915

BY
HENRY F. ALCIATORE
SECTION DIRECTOR

RENO, NEV.
WEATHER BUREAU OFFICE
JULY 20, 1915.

Departure of the Mean Temperature from the Normal. June, 1915.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALCIATORE, Section Director.

Vol. XXX. Reno, Nevada, June, 1915. No. 6.

GENERAL SUMMARY.

June was a cool, dry, sunshiny month. The temperature was very changeable. Killing frosts occurred in the central counties on the 11th and 12th, and in the northeastern counties on the 13th and 25th. The last three days were quite warm, the highest temperatures having been recorded at most stations on the 29th or 30th. In the extreme southern counties maximum temperatures of 100° to 109° were recorded on several dates. As compared with the normal the mean temperature was deficient in all districts, except the Colorado Basin. About 77 per cent. of the days were clear, and the percentage of sunshine was unusually large; at Reno it was 98.

The rainfall was deficient at all but two of the stations for which normals are available. At five places in the northeastern district the monthly fall was from one-half inch to one inch. Of the 45 stations with precipitation records, nine reported only a trace, and seventeen others none at all, the average fall for the State being only 29 per cent. of the normal. A few flakes of snow fell in the elevated regions of Humboldt, Elko, White Pine, and Nye counties. In some of the northeastern valleys water was scarce, the ranges were drying up, and the feeding of livestock had become a serious problem. Elsewhere cattle and sheep were reported as being in good condition generally. By the close of the month the snow cover on the eastern slopes of the Sierras had practically disappeared. The water supply for irrigation in the Truckee-Carson district was more than sufficient for the needs of agriculture. The alfalfa crops (one in the northern and two in the southern district) had been harvested under very favorable weather conditions, and the cereal crops in the dry farming districts were making good progress. The outlook for fruit was good.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 37 stations, was 63.3°. The mean for the 24 stations having ten or more years record was 2.2° below the normal. The highest recorded was 109°, at Logan on the 30th; the lowest was 23° at Tecoma on the 11th. The greatest daily range was 59° at Oasis Ranch on the 3d. The highest monthly mean was 79.2° at Las Vegas; the lowest was 50.4° at Gold Creek.

PRECIPITATION.

The average for 45 stations reporting was 0.13 inch. For the 26 stations having ten or more years record, the mean was 0.32 inch below the normal. The average amount at 3 stations in the Columbia Basin was 0.62 inch; at 14 stations in the Humboldt Basin, 0.20 inch; at 6 stations in the Truckee Basin, a trace; at 5 stations in the Carson Basin, 0.02 inch; at 4 stations in the Walker Basin, 0.01 inch; at 3 stations in the Colorado Basin, 0.10 inch; at 17 stations in the minor basins, 0.10 inch. The greatest monthly fall was 1.00 inch at Jack Creek; the least was none at 17 stations. The average number of days with precipitation for the State was 1.

SUNSHINE AND CLOUDINESS.

At Reno 98 per cent of the possible sunshine was recorded at Winnemucca, 91 per cent; at Tonopah, 97 per cent. For the State, the average number of clear days was 23, partly cloudy 5; cloudy, 2.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric Pressure (sea level). Mean.	Highest.	Lowest.	Mean relative humidity. [illegible]	[illegible]	Wind. Average hourly velocity.	Maximum velocity. Miles per hour.	[illegible]	[illegible]
Reno	29.92	30.16	29.67	62	20	8.1	37	[illegible]	10
Winnemucca	29.96	30.21	29.63	63	19	6.1	29	[illegible]	16
Tonopah	29.88	30.13	29.56	43	17	9.4	[illegible]	[illegible]	11

MISCELLANEOUS PHENOMENA.

(Dates of)

Solar Halos. 24, 29, 30.

Hail.—1.

Thunderstorms. 1, 11, 28.

Brisk Winds.—1, 2, 3, 8, 9, 10, 11, 12, 15, 16, 17, 24, 25, 26, 28, 29.

Killing Frosts.—11, 12, 13, 25.

COMPARATIVE DATA FOR JUNE.

Year.	Temperature. Mean.	Highest.	Lowest.	Average precipitation.	Average snowfall.	Number of days. With precipitation.	Clear.	Partly cloudy.	Cloudy.	Prevailing wind.
1889	70.0	110	30	0.22	0	2	18	7	5	s
1890	61.5	109	24	0.05	0.2	1	22	7	1	s
1891	59.8	97	8	1.18	0.5	5	14	8	8	w
1892	62.8	110	22	1.06	0.9	4	17	8	5	w
1893	63.8	100	18	0.04	T	0	28	2	0	sw
1894	57.8	92	20	1.12	1.0	5	12	10	8	sw
1895	62.9	109	14	0.13	0.1	1	20	6	4	sw
1896	68.7	117	25	0.22	0	2	19	6	5	sw
1897	62.8	112	20	0.37	0.1	3	16	8	6	w
1898	65.0	104	20	0.19	T.	1	20	7	3	w
1899	63.7	103	21	0.60	0.2	2	22	4	4	w
1900	67.7	111	28	0.32	0.1	2	19	5	6	w
1901	59.1	99	21	0.15	0.2	1	19	8	3	sw
1902	66.3	116	20	0.04	0.2	0	24	3	3	sw
1903	66.5	113	28	0.45	T.	3	17	8	5	sw
1904	63.6	106	11	0.04	T	1	21	5	4	sw
1905	61.9	101	24	0.11	T.	1	21	5	4	e
1906	60.2	115	20	0.59	T.	2	16	9	5	w
1907	56.9	111	18	1.09	1.4	5	13	9	8	w
1908	60.8	116	18	0.47	0.6	3	17	9	4	w
1909	65.5	112	24	0.28	0	1	19	7	4	w
1910	65.4	108	23	0.05	0	1	23	5	2	s
1911	62.8	109	20	0.74	0	4	14	10	6	w
1912	63.6	112	23	0.59	0	3	17	7	6	w
1913	61.8	106	28	1.99	T.	8	11	9	10	w
1914	62.0	114	12	1.26	0.7	6	15	8	7	w
1915	63.3	109	23	0.13	T.	1	23	5	2	w
Entire period	63.2	117	8	0.50	0.2	2	18	7	5	w

CORRECTIONS.

May, 1915, report, page 36.—Gold Creek, cloudy days should be 15. Gerlach, partly cloudy days should be 14. Lida, total precipitation should be 1.47.

LATE REPORTS.

May, 1915.—Halleck, total precipitation, 1.11; total snowfall, 3.0; days rain, 4. Jean, total precipitatien, trace; total snowfall, trace. Jungo, total precipitation, .04; days rain, 4. Fallen Leaf, mean temperature, 42.9; highest, 72 on 31st; lowest, 15 on the 2d; total precipitation, 7.84; total snowfall, 8.0; days rain, 14: clear, 7; partly cloudy, 10; cloudy, 14. Thorne total precipitation. 0.14; days rain, 6; total snowfall, 2,0.

Climatological data for June, 1915.

Stations.	Counties.		Temperature, in degrees Fahr.								Precipitation, in inches.					Number of days					Observers.
		Elevation, feet.	Length of record, years.	Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted.)	With precipitation (0.01 inch or more.)	Clear.	Partly cloudy.	Cloudy.	Prevailing direction of the wind.	
Columbia Basin.																					
Gold Creek	Elko	6,600	2	50.4		81	28	25	15	47	2	0.75		0.50	0	4	15	9	6	sw	Forest Supervisor.
Jack Creek**	do	6,300									2	1.00		0.40	0	3	26	1	3	w	C. E. Butler.
Owyhee	do	5,400	4								4										Indian Service.
San Jacinto	do	5,200	10	54.4	-2.6	82	21	30	†26	48	10	0.10	-1.59	0.10	0	1	27	2	1	w	J. S. Parmley.
Humboldt Basin.																					
Arthur	Elko	6,500									5	0.50	-0.45	0.40	0	2	26	3	1		Isaac Woodhouse.
Austin	Lander	6,594	26	58.5	-1.7	87	29	29	12	39	26	0.00	-0.72	0.00	0	0	27	3	0	w	Forest Service.
Battle Mountain ††	do	4,513	44	65.4	-0.5	99	29	35	12	49	46	0.00	-0.51	0.00	0	0	19	8	3	se	Southern Pacific Co.
Beowawe	Eureka	4,695	44	61.2	-6.0	91	†29	33	†12	45	46	0.10	-0.32	0.10	0	1	29	0	1	s	Do.
Carlin	Elko	4,896	44	58.5	-4.2	83	30	36	1	43	44	T.	-0.35	T.	T.	0	19	7	4	w	Western Pacific Co.
Clover Valley**	do	6,000	14								22										I. F. Wiseman.
Dry Farm **	do	5,600	3								6										Walfrid Sohlman.
Elko	do	5,063	44	60.0	-2.7	92	23	28	13	52	45	0.23	-0.35	0.13	0	2	25	3	2	sw	Western Pacific Co.
Eureka	Eureka	6,837	17	58.8	-2.0	89	29	29	12	46	19	0.37	-0.57	0.22	0	2	19	6	5	n	Clay Simms.
Golconda	Humboldt	4,392	36	63.3	-2.3	90	30	35	13	46	38	0.05	-0.51	0.05	0	1	26	0	4	w	Southern Pacific Co.
Halleck	Elko	5,229	22	59.4	-2.2	90	†28	32	2	45	46	T.	-0.58	T.	T.	0	21	0	9	w	Do.
Hylton††	do	7,081									5	0.56		0.56	T.	1	23	7	0	nw	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	2	61.8	-5.1	95	30	34	12	43	2	T.	-0.22	T.	0	0	22	7	1	nw	Southern Pacific Co.
Lovelocks	do	3,977	21								19										High School.
Metropolis §	Elko	5,661	2								6	0.60	+0.09	0.45	0	2					O. M. Lloyd.
North Fork	do	6,500									6	0.35		0.35	0	1	11	11	8	w	Chas. Pratt.
Paradise Valley	Humboldt	4,500	2								6										R. M. Taylor.
Potts	Nye	6,002	22	55.4	-6.4	92	30	26	12	52	24	0.00	-0.40	0.00	0	0	23	2	5	n	Miss Maud Potts.
Shafter §	Elko	5,583	2								2										Geo. Kernan.
Tecoma	do	4,812	37	58.2	-4.6	92	24	23	11	50	39	0.58	-0.02	0.45	0	2	14	13	3	w	Southern Pacific Co.
Wells	do	5,631	43								46										Do.
Winnemucca	Humboldt	4,344	36	61.0	-2.3	91	30	34	13	45	46	0.05	-0.59	0.05	0	2	21	6	3	ne	U. S. Weather Bureau.
Truckee Basin.																					
Fernley	Lyon	4,150	42	64.8	-1.2	98	30	35	12	54	46	0.00	-0.22	0.00	0	0	29	1	0		Mrs. G. A. Steele.
Glenbrook	Douglas	6,240	6								6										C. C. Henningsen.
Lewers Ranch **	Washoe	5,500	27								28										Ross Lewers.
Marlette Lake**	do	7,900									2	0.00		0.00	0	0	27	2	1	w	V. & G. H. Water Co.
Reno	do	4,532	28	61.6	+0.6	93	30	38	12	40	28	0.00	-0.24	0.00	0	0	29	1	0	w	U. S. Weather Bureau.
Bijou, Cal.		6,230									6										Chas. Young.
Fallen Leaf, Cal. ††		6,400	3	54.3		80	30	32	†12	37	3	0.05		0.05	0	1	26	4	0	n	W. W. Price.
Hobart Mills, Cal.		5,900									6	0.00		0.00	0	0	28	1	1	n	S. E. Patterson.
McKinney, Cal.		6,225	6								6	0.02		0.02	0	1	30	0	0	sw	Fred Jensen.
Tahoe, Cal.		6,240	7	50.0		78	†8	12	11	48	7	T.		T.	0	0	29	1	0	w	Mrs. Northrup A. Pomin.
Tallac, Cal.		6,230									6										W. D. Butt.
Carson Basin.																					
Fallon	Churchill	3,965	21	63.6	-1.0	94	30	37	12	46	21	0.00	-0.28	0.00	0	0	30	0	0	nw	U.S. Experiment Station.
Gardnerville	Douglas	4,830	24	^{f}57.8	-3.5	^{f}86	30	^{f}34	†3	^{f}44	25	0.00	-0.26	0.00	0	0	28	0	2	w	Forest Service.
Lahontan	Churchill	4,200	3			98	†29				5	0.00		0.00	0	0	18	10	2	e	U.S. Reclamat'n Service.
Markleeville, Cal.		5,525									6	0.10		0.10	0	1	26	4	0	s	Mrs. Mary Thornburg.
Woodfords, Cal.		5,634									6	T.		T.	0	0	22	5	3		Grant P. Merrill.
Walker Basin.																					
Mina§††	Mineral	4,350	8	65.9	-3.7	95	30	39	3	48	19	0.00	-0.22	0.00	0	0	30	0	0		Southern Pacific Co.
Smith	Lyon	4,800									7	0.00		0.00	0	0	27	3	0	sw	C. M. Carter.
Thorne §	Mineral	4,200	2								2										Southern Pacific Co.
Yerington §	Lyon	4,375	6	61.2	-3.1	91	30	36	†3	48	6	0.05	-0.32	0.05	0	1	29	1	0	sw	High School.
Bridgeport, Cal.		6,500	2	52.2		83	†28	26	19	52	4	0.00		0.00	0	0	23	4	3		A. F. Scott.
Shields Ranch, Cal. **		5,300									6	0.00		0.00	0	0	12	17	1		Frank W. Chichester.
Colorado Basin.																					
Caliente §	Lincoln	4,407	5								5										Salt Lake Route.
Indian Springs §**	Clark	3,136	2	75.7		100	30	50	†3	45	2	0.00		0.00	0	0	30	0	0	w	Ira McFarland.
Lake Valley**	Lincoln	6,200	2								2										Valley View Farm'g Co.
Las Vegas	Clark	2,033	13	79.2	+3.5	108	10	46	12	58	13	T.	-0.14	T.	0	0	23	5	2	s	C. P. Squires.
Logan §	do	1,355	8	79.1	-2.1	109	30	52	†13	48	16	0.30	+0.20	0.30	0	1	22	4	4		Experiment Farm.
Minor Basins.																					
Belmont	Nye	8,132	15	57.8	-2.2	86	30	29	12	40	15	0.01	-0.37	0.01	T.	1	19	6	5	sw	Lloyd G. Nelson.
Cherry Creek	White Pine	6,450	7	60.6		89	24	31	13	41	7	0.65		0.30	T.	4	20	8	2	w	J. H. Leishman.
Columbia**	Esmeralda	5,700	8	64.6		95	30	36	†3	41	10	0.00		0.00	0	0	24	6	0	nw	A. Booth.
Gerlach	Washoe	3,931	3	63.2		94	30	31	†11	53	3	0.00		0.00	0	0	19	11	0	nw	Western Pacific Co.
Jean	Clark	2,864	7	75.2		105	30	47	13	47	8	T.		T.	0	0	26	4	0	w	Salt Lake Route.
Jungo	Humboldt	4,165									2	T.		T.	0	0	16	12	2	sw	Western Pacific Co.
Lida §	Esmeralda	6,037	3	61.5	+2.3	86	29	33	13	37	3	0.00	-0.66	0.00	0	0	30	0	0	nw	L. F. Detwiler.
McDermitt	Humboldt	4,700	25	58.0	-7.0	87	†22	33	10	39	25	0.32	-0.50	0.20	0	3	20	9	1	n	U. S. Indian Service.
McGill §	White Pine	6,338	5	63.9	-2.1	90	†23	34	3	42	5	0.20	-0.22	0.15	T.	2	22	6	2	n	R. E. Middagh.
Millett	Nye	5,040	7	59.7		90	29	30	3	51	8	0.00		0.00	0	0	26	2	2	w	Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	3	68.2	+6.1	94	†15	31	3	59	3	0.00	-0.29	0.00	0	0	30	0	0	n	Arthur L. Stewart.
Pahrump **	Nye	2,608	2								2										F. A. Buol.
Quinn Riv. Ranch **††	Humboldt	4,850	13			93	30				14	0.05	-0.48	0.05	0	1	21	7	2	n	F. M. Payne.
Rebel Creek	do	4,300	3	61.8		92	22	32	11	54	4	0.56		0.32	T.	3	20	9	1	sw	Mrs. E. J. Hyatt.
Rhyolite	Nye	3,680	2	75.8		105	30	50	3	38	2	T.		T.	0	0	27	3	0	s	Secretary School Board.
Sand Pass	Washoe	4,198	2	66.0		96	†29	40	†11	45	2	0.00		0.00	0	0	30	0	0	w	R. R. Mott.
Searchlight	Clark	3,445	2	77.1		99	30	50	4	31	2	T.		T.	0	0	18	10	2	s	C. L. Aug. Mahn.
Sharp ††	Nye	6,200	2	58.4		86	29	29	11	43	2	0.00		0.00	0	0	27	3	0	w	F. A. Sears.
Sulphur	Humboldt	4,044	2	62.2		92	30	38	†12	44	2	0.00		0.00	0	0	17	13	0	nw	Western Pacific Co.
Tonopah	Nye	6,090	10	63.5		87	30	37	3	28	10	T.		T.	0	0	24	4	2	w	U. S. Weather Bureau.
Vya	Washoe	5,500	2								2										W. N. Lord.
For the State				63.3	-2.2	109	30	23	11	59		0.13	-0.32	0.50	T.	1	23	5	2	w	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used i determining section or division means. § Normals based on data from nearby stations with long records.

** Post office addresses of these stations are as follows: Of Jack Creek, Tuscarora; of Clover Valley, Wells; of Dry Farm, Lamoille; of Lewers Ranch, Franktown; of Marlette Lake, Virginia City, of Shield's Ranch, Coleville, Cal.; of Indian Springs, Las Vegas; of Lake Valley, Pioche; of Columbia, Goldfield; of Oasis Ranch, Oasis, Cal.; o Pahrump, Shoshone, via Tecopa, Cal.; of Quinn River Ranch, Amos.

Reference letters ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing, for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for June, 1915.

Stations.	Day of month																															[illegible]
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia Basin.																																
Gold Creek	.50			.02							.03	.20																				0.75
Jack Creek	.20	T.											.80																			1.00
Owyhee																																
San Jacinto		.10																														0.10
Humboldt Basin.																																
Arthur	T	.40									.10																					0.50
Austin ||																																0.00
Battle Mountain ||																																0.00
Beowawe ||	.10																															0.10
Carlin											T.																					T
Clover Valley																																
Dry Farm																																
Elko		.10		.13																												0.23
Eureka	.22			.15																												0.37
Golconda									.05																							0.05
Halleck												T.																				T
Hylton	.56										T.																					0.56
Imlay											T																					T
Lovelocks																																
Metropolis	.45	T.	T.	.15							T.	T.																				0.60
North Fork											.35																					0.35
Paradise Valley																																
Petts																																0.00
Stalter																																
Tecoma	.15		.13																													0.28
Wells																																
Winnemucca***											.03	.02																				0.05
Truckee Basin.																																
Fernley																																0.00
Glenbrook																																
Lewers Ranch																																
Marlette Lake ||																																0.00
Reno ***																																0.00
Bijou, Cal																																
Fallen Leaf, Cal												T.																.05				0.05
Hobart Mills, Cal																																0.00
McKinney, Cal												.02																				0.02
Tahoe, Cal												T.																				T.
Tallac, Cal																																
Carson Basin.																																
Fallon																																0.00
Gardnerville																																0.00
Lahontan ||																																0.00
Markleeville, Cal																												.10				0.10
Woodfords, Cal																											T.	T.	T.	T.		T.
Walker Basin.																																
Mina																																0.00
Smith																																0.00
Thorne																																
Yerington												.05																				0.05
Bridgeport, Cal																																0.00
Shields Ranch, Cal																																0.00
Colorado Basin.																																
Caliente																																
Indian Springs																																0.00
Lake Valley																																
Las Vegas			T.																													T.
Logan				.30																												0.30
Minor Basins.																																
Belmont	T.	T.	.01									T.																				0.01
Cherry Creek	.19		.10	.30	.06						T.																					0.65
Columbia																																0.00
Gerlach																																0.00
Jean		T.																														T.
Jungo	T.	T.										T.																				T.
Lida																																0.00
McDermit	.05										.20	.07																				0.32
McGill	T.		.15					.05				T.																				0.20
Millett																																0.00
Oasis Ranch.**																																0.00
Pahrump																																
Quinn River Ranch												.05																				0.05
Rebel Creek	.05										.32	.19	T.																			0.56
Rhyolite			T.																													T.
Sand Pass																																0.00
Searchlight			T.																													T.
Sharp																																0.00
Sulphur																																0.00
Tonopah***				T.																												T.
Vya																																

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight.

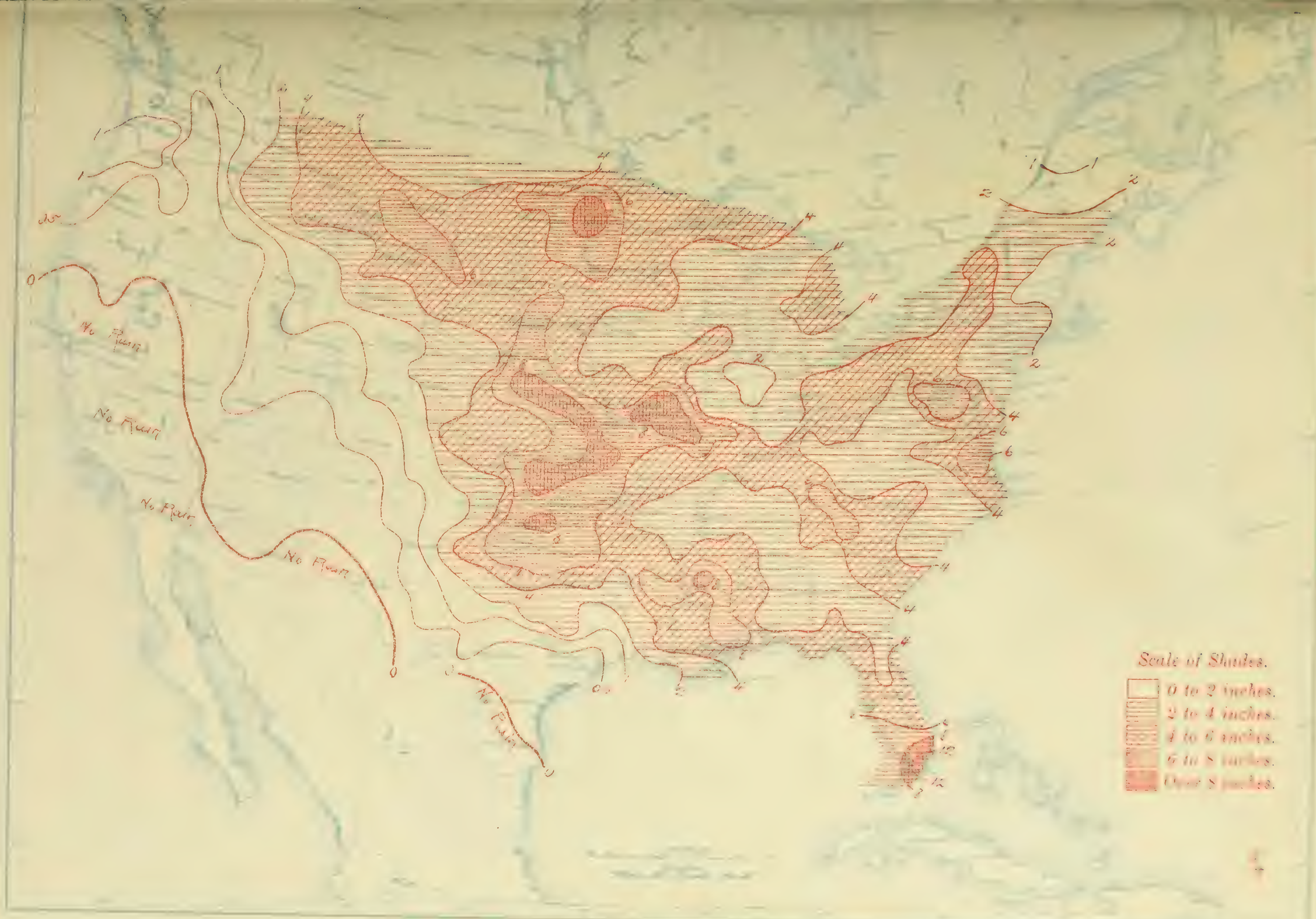
||. Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

T. Trace, or less than 0.01 inch. ** Incomplete.

Daily temperatures for June, 1915.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek	Maximum	52	54	49	50	61	62	67	70	71	62	63	60	65	70	70	71	7[illegible]	65	60	71	70	75	76	77	61	78	80	81	74	75	....	67.1
	Minimum	37	31	33	36	33	33	33	37	38	30	30	32	31	30	25	26	26	32	35	34	35	35	38	37	41	38	35	34	40	38	....	33.8
Owyhee	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
San Jacinto	Maximum	65	63	67	70	72	71	69	65	68	70	73	69	71	73	78	81	79	80	78	81	82	80	78	81	76	70	69	71	72	80	....	73.4
	Minimum	36	38	40	47	45	40	32	33	33	34	35	36	34	36	39	41	36	33	34	33	36	35	34	33	32	30	30	31	32	36	....	35.5
Humb'dt Basin.																																	
Austin	Maximum	63	57	56	62	....	74	79	81	67	72	....	68	65	77	81	70	77	76	72	76	....	84	84	73	68	74	81	81	87	86	....	73.7
	Minimum	33	31	37	41	....	45	49	41	44	35	....	29	45	47	45	46	42	38	40	47	....	47	48	40	37	46	47	51	53	62	....	43.3
Battle Mountain §§	Maximum	72	78	76	80	83	86	92	93	89	84	67	65	75	85	90	80	90	88	89	88	90	95	92	93	83	82	88	92	99	96	....	85.3
	Minimum	43	40	41	40	41	50	49	57	43	45	37	35	39	43	47	44	46	45	40	43	49	50	48	53	40	46	48	54	53	56	....	45.5
Beowawe §§	Maximum	65	58	64	70	72	78	88	87	85	80	77	70	72	79	88	78	83	82	82	78	87	90	88	88	77	75	75	87	91	91	....	79.5
	Minimum	40	40	42	38	40	47	48	58	45	40	37	33	33	41	45	42	43	42	38	38	47	49	43	53	37	41	44	49	48	50	....	43.0
Carlin	Maximum	70	71	68	70	71	73	75	80	76	75	50	60	61	69	70	72	75	76	78	78	78	79	80	80	80	81	79	80	82	83	....	74.0
	Minimum	36	38	40	39	42	42	45	50	55	44	40	45	41	45	45	45	44	45	47	40	40	45	50	40	42	42	40	40	40	40	....	43.0
Dry Farm	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Elko	Maximum	78	70	67	70	72	71	80	84	82	78	73	61	70	80	82	83	83	83	78	84	88	91	92	90	85	76	77	84	89	87	....	79.6
	Minimum	47	36	40	37	39	44	40	40	47	39	40	38	28	30	31	41	40	39	46	40	40	40	40	43	50	35	40	44	49	45	....	40.3
Eureka	Maximum	74	54	58	64	71	73	80	84	80	80	75	61	67	78	83	77	82	79	76	77	83	86	86	87	79	77	80	85	89	88	....	77.1
	Minimum	44	33	36	37	38	42	42	47	46	42	36	29	31	37	45	40	41	48	36	37	38	44	48	47	44	35	37	39	47	47	....	40.4
Golconda	Maximum	82	62	70	73	88	86	88	88	86	80	72	70	80	80	86	86	86	80	78	78	84	88	88	85	78	74	80	88	89	90	....	81.4
	Minimum	48	40	44	42	42	49	48	52	52	42	39	39	35	44	48	46	46	44	41	44	44	58	59	48	40	44	44	46	48	49	....	45.2
Halleck	Maximum	52	52	56	65	82	80	82	83	80	76	78	75	78	74	76	70	68	70	74	80	85	87	87	88	85	88	87	90	90	88	....	77.5
	Minimum	35	32	35	43	44	39	38	38	48	45	43	44	45	43	42	38	34	36	40	43	40	42	42	43	42	45	44	47	45	47	....	41.4
Imlay	Maximum	60	63	61	74	72	83	85	83	80	75	70	60	72	81	70	72	75	69	68	75	78	81	85	86	84	86	84	83	90	95	....	76.7
	Minimum	37	38	35	36	38	42	45	48	45	42	35	34	36	38	40	42	40	38	37	40	50	55	60	65	62	65	60	61	70	75	....	47.0
Paradise Valley	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Potts	Maximum	62	59	55	59	70	64	72	83	79	80	67	60	77	82	80	75	81	80	75	78	84	85	87	85	81	79	80	87	87	92	..	78.2
	Minimum	31	31	31	32	32	34	36	40	37	36	32	26	33	40	29	32	39	43	36	32	33	39	39	34	34	29	33	36	39	40	....	34.6
Tecoma	Maximum	67	60	60	65	76	73	78	85	86	85	70	65	74	84	85	81	80	81	75	70	73	87	89	92	73	74	82	84	87	90	....	77.7
	Minimum	35	32	40	38	38	36	38	44	36	37	23	27	34	35	40	42	47	45	37	34	35	40	44	53	47	32	41	43	49	42	....	38.8
Wells	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Winnemucca	Maximum	71	62	68	76	80	80	87	86	78	78	56	64	71	82	84	73	82	80	75	77	87	90	86	85	70	74	81	85	90	91	....	76.2
	Minimum	47	38	36	42	41	50	45	50	48	38	37	36	34	37	45	45	41	42	45	40	45	50	53	41	47	37	44	50	54	54	....	43.7
Truckee Basin.																																	
Fernley	Maximum	76	73	69	75	83	86	92	92	85	83	78	71	79	87	90	83	85	83	81	90	93	91	91	90	80	86	87	94	97	98	....	84.
	Minimum	53	42	41	42	42	48	44	50	44	44	40	35	40	40	43	42	52	45	39	44	45	53	56	44	40	40	40	40	53	58	....	44.
Lewer's Ranch	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Reno	Maximum	73	67	65	73	81	82	85	85	78	73	64	68	72	79	83	76	78	73	72	79	85	82	83	77	73	77	83	87	89	93	....	77.
	Minimum	50	44	44	43	45	56	49	50	47	45	38	38	41	44	46	50	45	45	40	41	45	50	49	43	46	41	43	47	52	55	....	45.
Fallen Leaf, Cal.	Maximum	67	60	52	58	71	74	78	73	73	66	60	55	62	74	74	69	72	67	65	70	74	73	66	69	67	67	70	69	79	80	....	68.
	Minimum	38	34	38	42	38	40	41	44	48	44	40	32	32	38	50	44	37	49	43	34	39	41	36	42	37	34	42	39	43	45	....	40.
Tahoe, Cal.	Maximum	64	61	59	63	72	74	76	78	70	72	58	61	62	69	74	68	70	67	68	69	71	72	73	67	68	68	74	78	78	77	....	69.
	Minimum	27	26	30	32	32	33	33	36	36	35	22	26	28	28	36	36	30	37	36	27	30	35	28	28	26	26	28	30	31	30	....	30.
Carson Basin.																																	
Fallon	Maximum	79	71	68	75	82	84	91	91	86	84	72	68	73	85	87	82	86	83	81	80	87	89	89	87	75	78	84	89	93	94	....	82.
	Minimum	46	45	41	47	43	47	47	51	47	42	42	37	42	39	43	44	47	43	40	44	42	45	46	44	42	43	47	49	52	55	....	44.
Gardnerville	Maximum	79	69	65	70	76	....	83	80	78	75	69	64	....	77	79	74	77	76	....	....	79	78	79	77	72	....	....	80	84	86	....	76.
	Minimum	41	35	34	37	38	....	44	41	40	37	37	35	....	34	39	50	39	50	....	....	35	44	39	36	35	....	....	36	47	48	....	39.
Lahontan §§	Maximum	72	67	65	72	80	85	90	90	86	74	67	64	72	89	89	87	85	84	90	91	91	88	92	88	83	87	88	91	98	98	....	83.
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Walker Basin.																																	
Mina	Maximum	80	70	65	70	75	85	80	90	90	88	82	70	75	80	90	85	88	90	90	82	80	85	88	90	82	80	88	90	94	95	....	83.
	Minimum	57	40	39	42	43	44	40	65	52	52	42	42	44	42	54	46	45	42	49	50	52	49	53	49	50	52	50	52	59	62	...	48.
Thorne	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Yerington	Maximum	78	66	65	71	80	82	87	86	82	79	72	65	72	85	88	80	83	80	78	78	83	86	87	84	75	75	80	80	88	91	....	79.
	Minimum	44	38	36	38	44	50	45	49	43	41	38	36	36	38	40	55	41	51	41	39	44	48	40	38	36	50	40	45	48	53	...	42.
Bridgeport, Cal.	Maximum	67	62	65	68	70	80	75	78	78	68	63	62	65	72	74	72	65	68	67	65	79	78	76	76	75	75	78	83	81	83	....	72.
	Minimum	33	30	33	30	28	28	28	30	32	42	40	28	32	28	27	38	28	33	26	27	33	33	33	32	30	30	31	36	40	40	....	32.
Colorado Basin.																																	
Indian Springs	Maximum	94	82	93	92	93	90	91	95	96	94	81	88	97	94	90	95	92	93	91	92	95	99	97	98	94	92	94	93	92	100	....	92.
	Minimum	71	55	50	53	51	54	65	50	66	58	50	51	56	57	55	59	59	61	58	60	56	56	60	60	64	62	70	69	55	65	....	58.
Las Vegas	Maximum	99	88	77	78	88	95	98	102	106	108	106	104	103	107	105	103	98	94	98	100	102	103	102	103	98	102	103	105	104	105	....	99.
	Minimum	68	64	58	50	51	51	60	60	62	60	60	46	49	65	65	69	62	59	58	56	58	56	56	61	62	60	60	59	62	62	....	59.
Logan	Maximum	103	92	74	77	90	98	97	104	104	102	96	87	92	97	102	105	101	100	97	98	103	104	106	105	102	101	103	104	106	109	....	98.
	Minimum	64	60	60	53	55	60	66	61	64	55	58	58	52	52	59	58	63	74	59	57	57	57	58	63	61	55	62	61	61	66	....	59.
Minor Basins.																																	
Belmont	Maximum	75	63	56	61	73	74	78	78	77	75	66	64	70	73	78	75	74	75	72	75	78	82	82	81	78	78	78	79	82	86	....	74.
	Minimum	41	34	31	34	36	41	40	46	44	43	35	29	34	37	46	45	40	41	40	39	41	46	49	48	44	38	41	47	48	52	....	41.
Cherry Creek	Maximum	72	56	59	62	73	69	78	84	80	79	72	59	66	75	82	80	80	78	82	75	82	87	88	89	77	74	82	81	86	88	....	76.
	Minimum	42	34	35	35	38	43	41	53	53	43	42	37	31	31	50	51	44	49	44	43	50	50	47	50	51	44	51	51	50	52	....	44.
Columbia	Maximum	80	67	64	69	77	82	85	88	87	86	77	68	73	81	87	84	85	83	83	82	86	88	90	89	76	82	86	88	91	95	....	82.
	Minimum	53	42	36	40	41	46	47	53	50	49	46	36	41	41	55	55	44	52	47	47	45	49	51	51	50	44	47	51	52	55	....	47.
Gerlach	Maximum	84	73	80	77	84	90	90	90	82	74	65	75	84	....	....	85	83	82	79	80	87	89	87	86	79	77	81	86	92	94	....	82.
	Minimum	41	36	35	36	40	39	43	45	43	39	31	32	31	....	....	42	49	47	47	46	47	49	54	49	49	46	48	51	56	56	....	43.
Jean	Maximum	96	92	80	82	87	96	94	100	98	91	87	83	82	88	97	98	97	95	90	100	101	93	93	94	93	95	98	100	103	105	....	93.
	Minimum	65	64	56	50	48	54	53	58	65	57	63	51	47	49	50	64	58	57	60	53	57	56	62	57	54	53	54	56	61	70	....	56.
Lida	Maximum	74	69	55	66	69	79	75	83	83	81	67	61	62	69	80	78	76	77	77	75	80	80	84	83	72	75	78	83	86	84	....	75.
	Minimum	50	42	37	43	44	51	48	53	56	47	46	41	33	44	46	48	46	50	52	50	49	45	52	52	48	50	51	51	49	55	....	47.
McDermit	Maximum	63	58	64	71	78	77	80	84	72	71	62	58	70	77	80	78	77	70	74	81	76	87	84	80	64	70	76	82	86	87	....	74.
	Minimum	44	36	39	37	39	43	41	45	40	33	34	36	35	42	43	40	41	37	37	51	43	54	47	42	40	34	43	48	54	48	....	41.
McGill	Maximum	73	60	58	62	72	73	81	85	85	84	80	61	68	78	84	83	82	80	78	83	86	89	90	90	78	80	84	86	89	90	....	79.
	Minimum	47	36	34	37	44	44	43	54	48	47	45	35	35	56	56	45	54	56	52	55	57	54	57	56	59	47	42	54	55	56	....	48.
Millett	Maximum	73	64	61	70	77	80	85	85	83	85	74	64	71	81	84	76	83	80	78	79	83	87	87	87	81	80	83	85	90	88	....	79.
	Minimum	49	35	30	37	34	35	37	43	42	45	46	32	33	41	40	40	32	54	39	36	40	38	41	39	53	35	38	45	40	45	....	39.
Oasis Ranch	Maximum	92	92	90	89	89	80	90	93	90	90	80	82	88	89	94	93	93	93	93	94	94	94	93	94	93	93	93	94	94	94	....	91.
	Minimum	58	58	31	44	44	46	47	49	45	43	41	41	40	36	44	50	41	46	45	43	44	45	47	45	50	46	46	41	50	51	....	45.
Rebel Creek	Maximum	69	68	67	75	80	80	90	84	75	73	62	....	71	74	85	84	80	80	82	84	88	92	86	85	80	74	80	85	87	90	....	79.
	Minimum	46	40	40	45	40	45	46	50	47	40	32	....	34	40	50	48	48	47	45	46	38	38	50	47	42	41	40	44	52	53	....	43.
Rhyolite	Maximum	90	89	74	81	89	91	94	96	98	95	85	78	80	86	96	94	91	92	88	93	95	97	97	94	96	92	93	93	99	105	....	91.
	Minimum	66	56	50	53	54	55	61	65	63	62	59	52	56	54	61	61	61	65	55	60	65	61	63	64	61	65	62	65	65	67	....	60.
Sand Pass	Maximum	78	72	73	80	86	77	94	92	87	80	67	72	77	86	88	84	87	83	80	83	90	90	90	81	78	79	86	91	96	96	...	83.
	Minimum	52	45	43	47	52	58	52	51	54	43	40	40	40	42	43	47	65	48	40	43	50	50	50	40	48	45	52	56	56	56	....	48.
Searchlight	Maximum	93	80	68	74	83	89	90	94	94	94	86	84	83	92	95	91	92	86	88	92	93	94	95	92	92	89	92	91	97	99	....	89.
	Minimum	65	61	54	50	54	61	66	66	74	63	62	60	59	68	66	69	67	70	66	65	68	69	69	69	67	68	65	65	67	72	....	64.
Sharp	Maximum	74	61	60	67	70	74	77	81	81	76	66	66	65	75	76	81	78	77	77	81	82	83	81	77	77	76	81	84	86	80	....	75.
	Minimum	55	36	37	41	36	40	36	42	46	41	29	39	36	41	36	38	37	43	40	41	46	46	41	41	41	40	41	41	46	56	....	41.
Sulphur	Maximum	72	68	72	80	79	80	84	88	82	80	76	65	75	82	84	82	82	79	76	79	84	88	87	82	72	75	76	85	90	92	....	79.
	Minimum	45	43	40	45	44	46	46	48	40	41	40	38	38	38	43	45	48	50	49	40	42	44	48	48	48	40	44	48	53	52	....	44.
Tonopah	Maximum	72	60	59	61	73	76	78	83	82	80	58	62	66	75	82	77	79	77	75	75	81	82	83	83	69	74	80	82	85	87	....	75.
	Minimum	51	44	37	43	49	55	55	58	56	55	42	37	44	51	58	55	52	53	50	56	55	57	55	57	48	48	53	56	62	66	....	51.

a, b, c, etc., indicates respectively 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged t
the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
No Rain
No Rain
No Rain
No Rain
No Rain

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U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

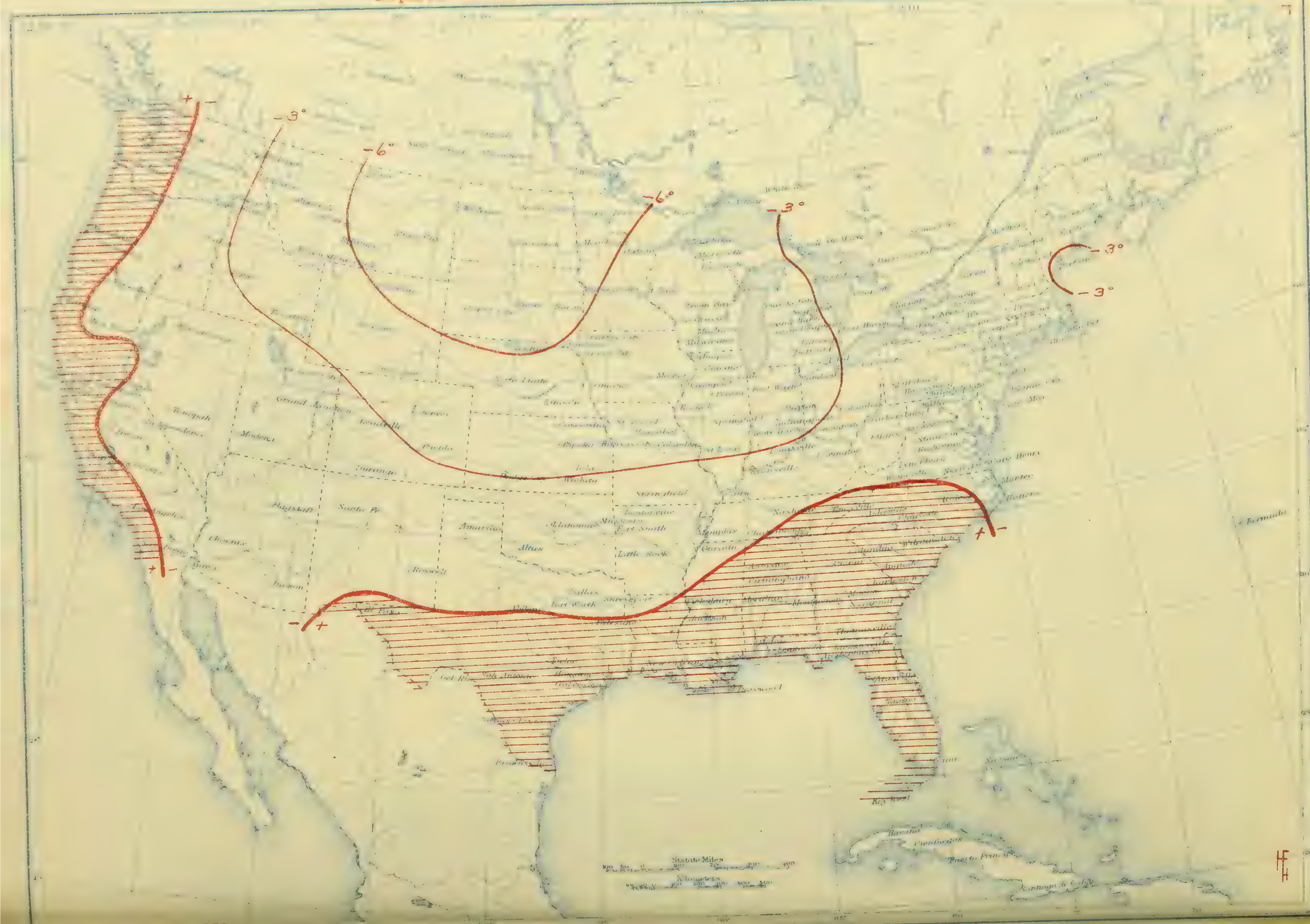
NEVADA SECTION

JULY, 1915

BY
HENRY F. ALCIATORE
SECTION DIRECTOR

RENO, NEV.
WEATHER BUREAU OFFICE
AUGUST 24, 1915.

Departure of the Mean Temperature from the Normal, July, 1915.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALCIATORE, Section Director.

Vol. XXX. Reno, Nevada, July, 1915. No. 7.

GENERAL SUMMARY.

With the exception of cloudbursts in Douglas County on the 22d, and in Nye County on the 26th, the month's weather was uneventful The temperature was variable and, on the whole, slightly below normal. At Reno and in several localities in the south and east the monthly means were above normal but over the rest of the State they were below. There were two or three unseasonably cool days in the first and last decades. The extremes of temperature, 31° in Nye County and 110° in Lincoln County, were within the limits of previous years.

The bulk of the month's rainfall occurred in the first and last decades. At one station in Washoe County, and in several places in the southern counties, the fall was from 1 to 3.5 inches; six other stations recorded falls of .5 to 1 inch; elsewhere the fall was less than .5 inch. As compared with the normal, there were deficiencies at 23 out of 31 stations.

On the afternoon of the 22d Dayton, in Douglas County, narrowly escaped destruction when a wall of water between four and five feet in depth swept down on the opposite side of the river, due to a cloudburst that occurred in the El Dorado canyon district about 2 p. m. One railroad bridge and a number of irrigation ditches were damaged by the flood waters, and some of the placer mines at Buckeye, in the Pine Nut range, were put out of business for the season, with a loss of several thousands of dollars. At Sharp, in Nye County, an unprecedented rainfall of 3.50 inches occurred on the 26th in the brief space of two hours, probably the result of a cloudburst.

By the close of the month the staple crops were in excellent condition and good yields were expected. District Freight Agent J. M. Fulton, of the S. P. R. R., stated that "more wheat would be grown and marketed in Nevada in 1915 than in any other 10 years combined since its admission into the Union." Livestock was in good condition, generally. In some of the central and eastern counties the ranges were in poor condition, owing to the small snowfall of last winter and the deficient rainfall of summer, and many sheepmen had to move their flocks to new pastures. Two large crops of alfalfa had been cut and stacked under exceptionally favorable conditions, and the fruit outlook was generally good despite the severe freeze of last May.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 43 stations, was 70.8°. The mean for the 29 stations having ten or more years record was 1.5° below the normal. The highest recorded was 110°, at Caliente on the 13th; the lowest was 31 at Potts on the 31st. The greatest daily range was 57° at Potts on the 19th and 31st. The highest monthly mean was 84.4°, at Logan. The lowest monthly mean was 56.2°, at Gold Creek.

PRECIPITATION.

The average for 51 stations reporting was 0.38 inch. For the 32 stations having ten or more years record, the mean was 0.08 inch below the normal. The average amount at 3 stations in the Columbia Basin was 0.29 inch; at 19 stations in the Humboldt Basin, 0.14 inch; at 9 stations in the Truckee Basin, 0.18 inch; at 4 stations in the Carson Basin, 0.29 inch; at 4 stations in the Walker Basin, 0.44 inch; at 3 stations in the Colorado Basin, 1.59 inches; at 20 stations in the minor basins, 0.52 inch. The greatest monthly fall was 3.50 inch at Sharp on the 26th. No precipitation was reported at 6 stations. The average number of days with precipitation for the State was 2.

SUNSHINE AND CLOUDINESS.

At Reno 90 per cent of the possible sunshine was recorded; at Winnemucca, 86 per cent; at Tonopah, 87 per cent. For the State, the average number of clear days was 19; partly cloudy, 8; cloudy, 4.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric Pressure (sea level)			Mean relative humidity		Wind.			
						Average hourly velocity	Maximum velocity		
	Mean.	Highest.	Lowest.	5 a. m.	5 p. m.		Miles per hour	Direc.	Date.
Reno	29.86	30.08	29.60	60	23	7.6	34	w	13
Winnemucca	29.88	30.18	29.61	57	21	5.8	28	nw	30
Tonopah	29.86	30.12	29.61	48	20	8.3	37	nw	5

MISCELLANEOUS PHENOMENA.

(Dates of)

Hail.—23, 26.

Thunderstorms.—2, 3, 4, 5, 6, 7, 8, 12, 19-27, 30, 31.

Brisk Winds.—2, 3, 4, 5, 11-17, 22, 26, 27, 30.

COMPARATIVE DATA FOR JULY.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	76.1	119	36	0.17	......	1	29	1	1	s
1890	74.0	118	28	0.15	0	1	22	7	2	sw
1891	70.4	102	26	0.53	0	3	17	8	6	s
1892	70.6	115	30	0.67	0	1	23	5	3	w
1893	70.3	110	24	0.40	0	2	26	4	1	sw
1894	71.7	108	32	0.75	0	5	17	9	5	s
1895	70.2	112	28	0.05	0	1	25	4	2	w
1896	72.7	112	33	0.79	0	2	14	9	8	w
1897	69.4	116	25	0.28	0	1	20	7	4	sw
1898	73.5	114	30	0.12	0	1	23	6	2	w
1899	72.6	106	34	0.14	0	2	22	5	4	w
1900	70.9	113	33	0.37	0	1	23	4	4	w
1901	70.8	109	31	0.31	0	2	21	6	4	sw
1902	67.9	116	25	0.44	0.5	2	21	5	5	sw
1903	65 4	111	26	0.01	0	1	27	3	1	sw
1904	68.7	110	30	0.51	0	3	19	8	4	sw
1905	72.1	109	31	0.03	0	1	24	5	2	sw
1906	74.7	114	32	0.68	0	4	17	9	5	w
1907	69.2	113	27	0.06	0	1	22	6	3	s
1908	74.3	116	32	0.42	0	3	18	10	3	w
1909	69.5	112	23	0.14	0	2	23	6	2	s
1910	72.9	110	28	0.65	0	3	18	8	5	w
1911	70.9	109	30	0.31	0	3	17	10	4	w
1912	68.6	113	25	0.67	0	4	17	7	7	w
1913	69.1	113	18	1.30	0	6	16	9	6	w
1914	72.4	118	32	0.52	0	3	16	10	5	w
1915	70.8	110	31	0.38	0	2	19	8	4	w
Entire period	71.1	119	18	0.40	T.	2	20	7	4	w

Climatological data for July, 1915.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days				Prevailing direction of the wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted.)	With precipitation (0.01 inch or more.)	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek	Elko	6,600	2	56.2	...	80	†20	33	†15	46	2	0.05	...	0.05	0	1	24	6	1	s	Forest Supervisor.
Jack Creek**	do	6,300	...	...	...	...	...	...	...	...	2	0.71	...	0.56	0	2	21	9	1	w	C. E. Butler.
Owyhee	do	5,400	4	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	Indian Service.
San Jacinto	do	5,200	10	65.2	−0.2	93	22	33	18	53	10	0.10	−0.39	0.04	0	5	22	6	3	sw	J. S. Parmley.
Humboldt Basin.																					
Arthur	Elko	6,500	...	...	...	...	...	...	...	...	5	0.00	−0.79	0.00	0	0	31	0	0	...	Isaac Woodhouse.
Austin	Lander	6,594	26	67.0	−1.8	91	19	41	†6	40	26	0.14	−0.31	0.08	0	4	27	4	0	...	Forest Service.
Battle Mountain	do	4,513	44	76.0	+1.1	105	25	40	13	53	46	0.02	−0.16	0.02	0	1	25	3	3	...	Southern Pacific Co.
Beowawe	Eureka	4,695	44	69.8	−5.7	100	22	40	†14	50	46	T.	−0.25	T.	0	0	26	5	0	s	Do.
Carlin	Elko	4,896	44	66.6	−4.9	96	24	38	†17	53	44	T.	−0.18	T.	0	0	16	13	2	...	Western Pacific Co.
Clover Valley**	do	6,000	14	65.0	−1.5	90	†20	37	†16	47	22	0.33	−0.11	0.21	0	2	11	18	2	...	I. F. Wiseman.
Dry Farm **	do	5,600	3	...	...	...	...	...	...	...	6	...	...	...	...	...	...	...	...	...	Walfrid Sohlman.
Elko	do	5,063	44	68.8	−1.4	100	25	38	†16	55	45	0.07	−0.27	0.07	0	1	16	14	1	sw	Western Pacific Co.
Eureka	Eureka	6,837	17	68.4	−2.3	91	†19	39	6	45	19	0.47	−0.41	0.30	0	3	15	10	6	n	Clay Simms.
Golconda	Humboldt	4,392	36	71.6	−2.9	96	†20	45	†30	45	38	0.01	−0.19	0.01	0	1	23	0	8	...	Southern Pacific Co.
Halleck	Elko	5,229	22	...	...	89	†3	...	...	...	46	T.	−0.25	T.	0	0	21	0	10	...	Do.
Hylton	do	7,081	...	...	...	...	...	...	...	...	5	0.49	...	0.18	0	3	19	12	0	nw	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	2	73.3	−2.5	99	21	39	7	47	2	T.	−0.16	T.	0	0	23	2	6	...	Southern Pacific Co.
Lovelocks	do	3,977	21	...	...	...	...	...	...	...	19	...	...	...	...	...	...	...	...	...	High School.
Metropolis §	Elko	5,661	2	...	...	...	...	...	...	...	6	0.22	−0.03	0.15	0	3	...	...	...	...	O. M. Lloyd.
North Fork	do	6,500	...	...	...	...	...	...	...	...	6	0.38	...	0.30	0	2	9	12	10	w	Chas. Pratt.
Paradise Valley	Humboldt	4,500	2	66.0	...	97	†20	36	†15	53	6	0.42	...	0.30	0	3	12	13	6	nw	R. M. Taylor.
Potts	Nye	6,002	22	66.7	−2.9	95	19	31	31	57	24	T.	−0.65	T.	0	0	11	10	10	s	Miss Maud Potts.
Shafter §	Elko	5,583	2	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	Geo. Kernan.
Tecoma	do	4,812	37	68.9	−3.4	100	23	40	†2	50	39	0.00	−0.19	0.00	0	0	9	22	0	sw	Southern Pacific Co.
Wells	do	5,631	43	63.9	−6.6	98	22	33	3	47	46	0.00	−0.25	0.00	0	0	19	12	0	...	Do.
Winnemucca	Humboldt	4,344	36	69.7	−1.9	98	21	48	7	42	46	0.05	−0.12	0.03	0	3	26	3	2	sw	U. S. Weather Bureau.
Truckee Basin.																					
Fernley	Lyon	4,150	42	73.6	−3.1	100	†19	40	30	52	46	0.34	+0.10	0.32	0	2	23	4	4	...	Mrs. G. A. Steele.
Glenbrook	Douglas	6,240	6	...	...	...	...	...	...	...	6	...	...	...	...	...	...	...	...	...	C. C. Henningsen.
Lewers Ranch **	Washoe	5,500	27	65.6	−2.4	94	26	39	7	44	28	0.32	+0.09	0.32	0	1	11	18	2	...	Ross Lewers.
Marlette Lake**	do	7,900	...	...	...	...	...	...	...	...	2	0.00	...	0.00	0	0	26	0	5	w	V. & G. H. Water Co.
Reno	do	4,532	28	69.2	+1.7	95	24	42	7	43	28	0.04	−0.10	0.03	0	2	22	8	1	w	U. S. Weather Bureau.
Bijou, Cal.		6,230	...	...	...	...	...	...	...	...	6	0.11	...	0.07	0	2	17	8	6	w	Chas. Young.
Fallen Leaf, Cal.		6,400	3	61.8	...	84	†18	38	6	40	3	0.14	...	0.10	0	2	21	9	1	...	W. W. Price.
Hobart Mills, Cal.		5,900	...	...	...	...	...	...	...	...	6	0.02	...	0.01	0	2	21	6	4	s	S. E. Patterson.
McKinney, Cal.		6,225	6	...	...	...	...	...	...	...	6	0.22	...	0.13	0	2	24	7	0	sw	Fred Jensen.
Tahoe, Cal.		6,240	7	57.9	...	84	†19	30	6	47	7	0.41	...	0.20	0	3	25	6	0	...	Mrs. Northrup A. Pomin.
Tallac, Cal.		6,230	...	...	...	...	...	...	...	...	6	...	...	...	...	...	...	...	...	...	W. D. Butt.
Carson Basin.																					
Fallon	Churchill	3,965	21	71.9	−1.6	99	†20	44	†7	43	21	0.18	0.00	0.18	0	1	25	6	0	nw	U.S. Experiment Station.
Gardnerville	Douglas	4,830	24	^{d}64.2	−3.4	^{d}88	†19	^{d}39	†6	^{d}44	25	0.00	−0.33	0.00	0	0	...	...	...	w	Forest Service.
Lahontan	Churchill	4,200	3	76.4	...	101	20	52	30	40	5	0.77	...	0.77	0	1	24	5	2	w	U.S. Reclamat'n Service.
Markleeville, Cal.		5,525	...	...	...	...	...	...	...	...	6	0.21	...	0.10	0	3	26	4	1	s	Mrs. Mary Thornburg.
Woodfords, Cal.		5,634	...	...	...	...	...	...	...	...	6	...	...	...	...	...	...	...	...	...	Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	8	75.2	−2.4	97	†13	47	6	42	19	0.30	−0.01	0.30	0	1	25	3	3	...	Southern Pacific Co.
Smith	Lyon	4,800	...	...	...	...	...	...	...	...	7	0.50	...	0.14	0	5	18	6	7	sw	C. M. Carter.
Thorne §	Mineral	4,200	2	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	Southern Pacific Co.
Yerington §	Lyon	4,375	6	^{d}67.6	−3.9	93	†24	^{e}40	†28	^{h}43	6	0.28	+0.14	0.20	0	2	21	5	5	sw	High School.
Bridgeport, Cal.		6,500	2	59.6	...	89	19	30	†6	54	4	0.48	...	0.20	0	5	18	8	5	w	A. F. Scott.
Shields Ranch, Cal. **		5,300	...	...	...	...	...	...	...	...	6	0.70	...	0.38	0	3	11	18	2	...	Frank W. Chichester.
Colorado Basin.																					
Caliente §	Lincoln	4,407	5	80.8	+7.7	110	†13	56	†3	46	5	2.00	+1.32	1.00	0	2	22	0	9	sw	Salt Lake Route.
Indian Springs §**††	Clark	3,136	2	81.6	...	99	†3	58	29	38	2	0.34	...	0.25	0	2	28	3	0	w	Ira McFarland.
Lake Valley **	Lincoln	6,200	2	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	Valley View Farm'g Co.
Las Vegas	Clark	2,033	13	84.0	+2.3	106	†4	55	12	50	13	1.88	+1.51	1.00	0	3	19	5	7	se	C. P. Squires.
Logan §	do	1,355	8	84.4	−2.7	107	†3	56	6	46	16	0.88	+0.60	0.53	0	3	19	5	7	...	Experiment Farm.
Minor Basins.																					
Belmont	Nye	8,132	15	65.2	−2.8	90	27	38	6	42	15	0.70	0+.21	0.41	0	3	12	9	10	s	Lloyd G. Nelson.
Cherry Creek	White Pine	6,450	7	70.4	...	96	24	44	6	44	7	0.12	...	0.08	0	2	20	9	2	w	J. H. Leishman.
Columbia**	Esmeralda	5,700	8	72.1	...	96	24	47	†6	41	10	1.12	...	0.94	0	4	18	8	5	se	A. Booth.
Gerlach	Washoe	3,931	3	73.4	...	102	22	43	†7	42	3	0.42	...	0.25	0	2	16	13	2	nw	Western Pacific Co.
Jean	Clark	2,864	7	81.5	...	105	†18	58	†6	45	8	0.29	...	0.25	0	2	24	4	3	w	Salt Lake Route.
Jungo	Humboldt	4,165	...	...	...	...	...	...	...	...	2	0.04	...	0.04	0	1	12	10	9	sw	Western Pacific Co.
Lida §	Esmeralda	6,037	3	^{d}67.6	+1.1	^{d}92	25	^{d}43	6	^{d}38	3	0.35	−0.92	0.18	0	2	...	...	...	se	L. F. Detwiler.
McDermitt	Humboldt	4,700	25	67.4	−6.3	95	†21	39	†14	39	25	0.72	+0.42	0.42	0	5	18	10	3	w	U. S. Indian Service.
McGill §	White Pine	6,338	5	^{g}73.0	+4.8	97	13	^{m}45	30	^{n}41	5	0.07	−0.55	0.07	0	1	21	6	4	n	R. E. Middagh.
Millett	Nye	5,040	7	66.4	...	92	19	38	†28	48	8	0.10	...	0.06	0	2	13	7	11	...	Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	3	72.1	+3.7	95	†13	40	6	48	3	0.00	−0.46	0.00	0	0	...	...	...	...	Arthur L. Stewart.
Pahrump **	Nye	2,608	2	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	F. A. Buol.
Quinn Riv. Ranch **	Humboldt	4,850	13	...	...	102	20	...	...	...	14	0.18	...	0.18	0	1	...	...	...	w	F. M. Payne.
Rebel Creek	do	4,300	3	69.2	...	98	20	42	31	47	4	0.57	...	0.20	0	4	18	8	5	sw	Mrs. E. J. Hyatt.
Rhyolite	Nye	3,680	2	82.6	...	103	25	63	†2	39	2	0.63	...	0.56	0	2	22	8	1	s	Secretary School Board.
Sand Pass	Washoe	4,198	2	...	...	...	...	43	7	...	2	0.10	...	0.08	0	2	19	8	4	w	R. R. Mott.
Searchlight	Clark	3,445	2	80.5	...	96	†2	59	6	33	2	0.10	...	0.04	0	3	21	3	7	s	C. L. Aug. Mahn.
Sharp	Nye	6,200	2	66.2	...	87	†19	40	28	41	2	3.50	...	3.50	0	1	24	6	1	w	F. A. Sears.
Sulphur	Humboldt	4,044	2	71.6	...	100	20	44	13	46	2	T.	...	T.	0	0	...	...	...	...	Western Pacific Co.
Tonopah	Nye	6,090	10	71.0	...	89	25	46	6	30	10	0.21	...	0.15	0	3	18	11	2	w	U. S. Weather Bureau.
Vya	Washoe	5,500	2	...	...	...	...	...	...	...	2	1.16	...	0.51	0	7	18	9	4	nw	W. N. Lord.
For the State				70.8	−1.5	110	†13	31	31	57	...	0.38	−0.08	3.50	0	2	19	8	4	w	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post office addresses of these stations are as follows: Of Jack Creek, Tuscarora; of Clover Valley, Wells; of Dry Farm, Lamoille; of Lewers Ranch, Franktown; of Marlette Lake, Virginia City; of Shield's Ranch, Coleville, Cal.; of Indian Springs, Las Vegas; of Lake Valley, Pioche; of Columbia, Goldfield; of Oasis Ranch, Oasis, Cal.; of Pahrump, Shoshone, via Tecopa, Cal.; of Quinn River Ranch, Amos.

Reference letters ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing, for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for July, 1915.

Stations.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Columbia Basin.																																
Gold Creek						.05																										[illegible]
Jack Creek			T	T	T		[illegible]													T											[illegible]	[illegible]
Owyhee																																
San Jacinto							.03		.04			.01														.01					.01	0.10
Humboldt Basin.																																
Arthur																																0.00
Austin ‖	T.	T.	T.	.08																[illegible]		.01	.02	T								0.11
Battle Mountain ‖						.02																										0.02
Beowawe ‖		T.			T.																				T							T
Carlin																				T												T
Clover Valley		.21		T.		T.	.12																		T							0.33
Dry Farm																																
Elko		.07						T.				T.											T		T	T	T					0.07
Eureka			.02																		.30					.15						0.47
Golconda																							.01									0.01
Halleck		T.	T	T.	T.	T.																				T						T
Hylton		.18				.16																.15										0.49
Imlay		T.	T.	T.	T.	T.																							T.			T
Lovelocks																																
Metropolis			T.	.15	.04				T.		T.	.03								T	T.	T	T	T.	T.	T.					T	0.22
North Fork						.30						.08																				0.38
Paradise Valley		T.		T.	.30	.06	T.														T.		T.	T						.06	T	0.42
Potts																									T.	T.						T
Shafter																																
Tecoma																																0.00
Wells																																0.00
Winnemucca***		T.		.01	T.	.03																T.	T.	T.						.01		0.05
Truckee Basin.																																
Fernley		.02			.32																											0.34
Glenbrook																																
Lewers Ranch			.32																													0.32
Marlette Lake ‖																																0.00
Reno ***		.03			T.	T.															T.	.01	T.									0.04
Bijou, Cal.	.07	T.																			.04	T.										0.11
Fallen Leaf, Cal.	.04																				T.	T.	.10									0.14
Hobart Mills, Cal.																					.01		.01									0.02
McKinney, Cal.																					.09		.13									0.22
Tahoe, Cal.	.20					T.															.10		.11									0.41
Tallac, Cal.																																
Carson Basin.																																
Fallon					.18																											0.18
Gardnerville																																0.00
Lahontan ‖					.77																											0.77
Markleeville, Cal.		.07	.04																			T.	.10									0.21
Woodfords, Cal.																																
Walker Basin.																																
Mira						.30																										0.30
Smith		.05	.09	.12																.14	T.	.10										0.50
Thorne																																
Yerington		T.	T.		.08																	.20	T.									0.28
Bridgeport, Cal.		.20			.10																.10	.06	.02									0.48
Shields Ranch, Cal.						.21															.11	.38										0.70
Colorado Basin.																																
Caliente																				1.00					1.00							2.00
Indian Springs																						.09			.25							0.34
Lake Valley																																
Las Vegas	T.																		T.			.58	.30			1.00						1.88
Logan																						.53	.33		.02							0.88
Minor Basins.																																
Belmont	T.		T.	T.															T.	T.	.41		.18	T.		.11						0.70
Cherry Creek			.04	.08																						T.						0.12
Columbia		T.	.03																	.94		.09	.06									1.12
Gerlach					*	.17																	T.							.25		0.42
Jean																			.04		.25											0.29
Jungo					T.																										.04	0.04
Lida																					.17	.18										0.35
McDermit		T.		T.	.42	.08	.05						T.																	.05	.12	0.72
McGill		T.		T.																	.07	T.				T.						0.07
Millett		T.		.04																			.06			T.						0.10
Oasis Ranch																																0.00
Pahrump																																
Quinn River Ranch																														.18		0.18
Rebel Creek		T.			.17	.19	.01																							T.	.20	0.57
Rhyolite																					T.	.56	T.	.07								0.63
Sand Pass				.08	T.	T.																	.02							T.		0.10
Searchlight																			.03			T.	.03	.04		T.						0.10
Sharp			T.																							T.	3.50					3.50
Sulphur				T	T.																											T.
Tonopah***	T.			T.																T.	.01	.15				.05						0.21
Vya			.51	.21	.10	.10															.12	.10	T.				T.	.02				1.16

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight.

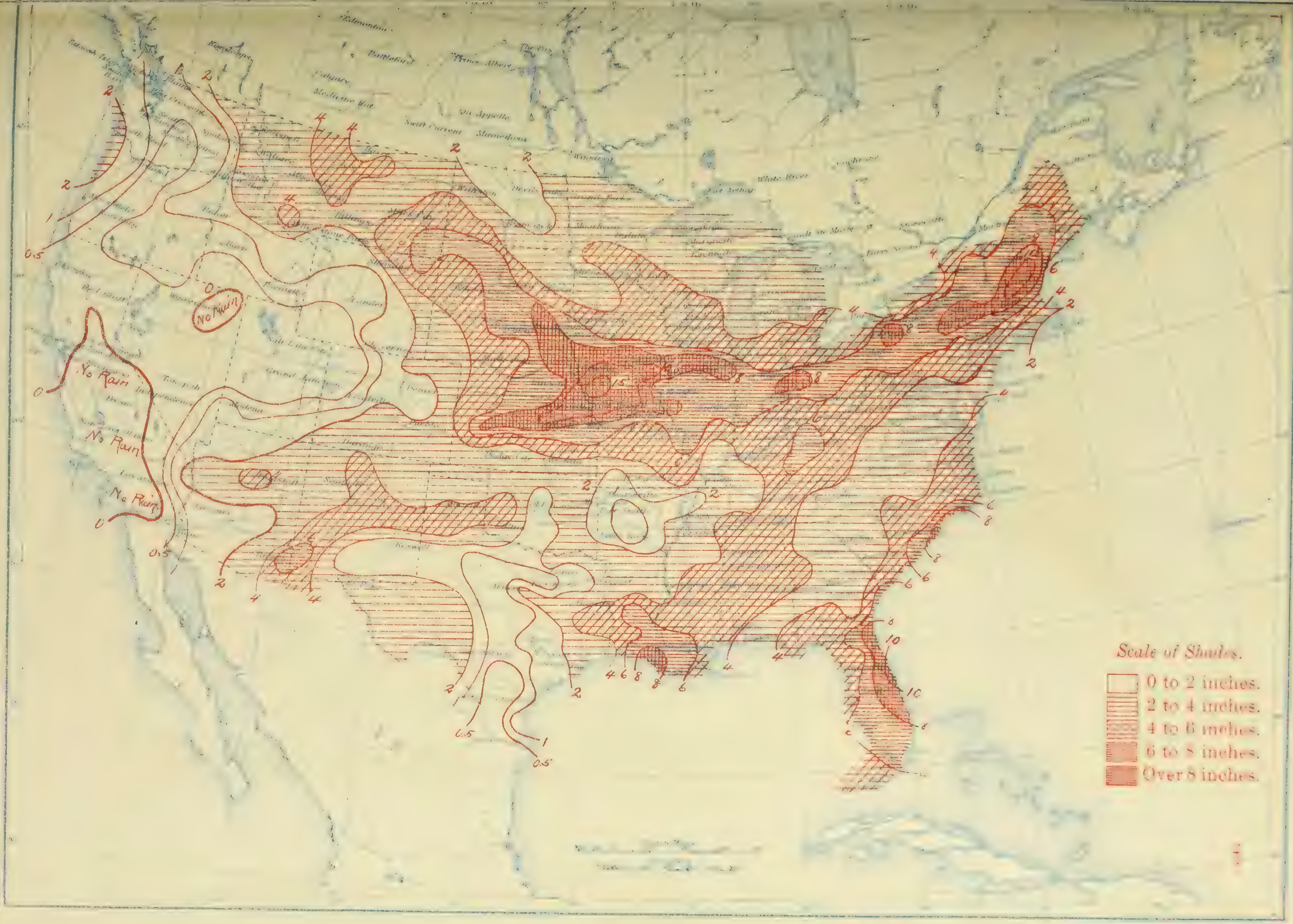
‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

T. Trace, or less than 0.01 inch. ** Incomplete.

Daily temperatures for July, 1915.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Pasin.																																	
Gold Creek	Maximum	77	78	76	75	65	51	66	70	67	75	78	75	74	67	75	77	78	78	79	80	79	78	80	80	78	76	78	75	74	66	70	74.0
	Minimum	40	40	38	39	36	35	42	40	37	39	38	37	37	40	33	37	35	34	33	40	42	47	42	43	40	41	40	40	38	35	36	38.5
San Jacinto	Maximum	81	82	85	81	88	83	88	78	80	84	82	89	91	85	79	89	88	76	89	89	89	93	87	91	86	89	89	85	79	81	69	84.7
	Minimum	45	42	46	40	47	45	43	40	41	41	47	52	56	50	35	41	44	33	36	39	52	48	58	45	60	67	52	45	40	40	45	45.6
Humoldt Basin.																																	
Austin	Maximum	82	85	84	81	75	78	79	85	80	89	84	....	85	78	85	86	....	87	91	81	86	85	86	89	90	88	83	79	77	78	74	83.1
	Minimum	54	51	54	47	46	41	50	53	53	54	56	....	45	47	47	46	....	50	60	58	59	59	58	58	57	50	44	45	46	41	46	50.9
Battle Mountain §§	Maximum	100	98	99	98	97	95	98	93	91	96	98	94	93	92	90	98	95	98	100	103	102	103	104	100	105	100	95	96	100	89	96	97.3
	Minimum	48	55	59	58	49	50	48	63	50	58	65	42	40	45	42	50	50	47	50	60	58	56	58	54	56	65	55	69	70	60	70	54.8
Beowawe §§	Maximum	93	94	92	90	90	90	80	90	82	93	93	90	88	82	88	90	83	88	92	90	98	100	90	98	95	95	90	85	84	85	84	89.7
	Minimum	52	54	58	52	50	52	46	56	48	55	57	59	45	40	47	45	48	49	50	52	55	53	52	56	54	53	40	42	44	41	42	49.9
Carlin	Maximum	80	82	84	82	80	82	83	85	86	89	88	89	90	90	89	91	90	90	91	92	91	92	94	96	90	90	91	90	89	90	91	88.3
	Minimum	50	51	49	48	46	46	45	44	45	48	47	44	40	40	39	40	38	40	42	41	40	41	50	52	49	50	51	48	47	39	38	44.8
Clover Valley	Maximum	85	85	81	82	81	70	78	85	77	84	89	90	82	75	79	84	77	83	85	91	91	91	79	89	90	85	84	80	80	80	73	82.7
	Minimum	43	45	53	46	48	46	46	44	47	45	51	54	57	40	38	37	42	37	43	47	54	52	59	49	60	53	51	44	44	46	43	47.2
Elko	Maximum	96	92	89	88	86	77	83	85	83	90	94	95	83	83	79	87	88	93	95	95	95	99	82	94	100	91	94	94	88	86	90	89.5
	Minimum	48	48	51	50	49	50	53	55	60	55	50	46	52	43	40	38	38	40	40	51	55	60	64	44	46	56	42	42	40	42	40	48.0
Eureka	Maximum	87	84	82	85	80	76	80	86	83	89	87	90	85	87	89	87	87	90	91	89	88	89	84	91	91	85	86	84	83	85	80	85.8
	Minimum	55	56	52	60	55	39	40	46	54	50	58	54	44	42	49	44	44	45	48	65	60	56	58	54	55	61	56	55	44	44	41	51.1
Golconda	Maximum	93	90	88	92	84	77	78	80	86	90	90	92	87	80	87	88	88	89	92	96	96	92	95	96	94	90	88	84	93	90	80	88.5
	Minimum	53	54	49	54	52	56	56	58	60	58	58	66	48	47	52	51	53	48	48	62	65	61	59	58	58	65	55	54	50	45	45	54.8
Halleck	Maximum	88	86	89	86	82	82	81	89	89	89	89	87	89	89	87	88	88	89	89	89	89	87	87	87	87	85	86	86	82	82	80	86.5
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Imlay	Maximum	95	94	90	89	82	73	86	87	84	85	89	90	85	83	87	89	90	91	90	95	99	95	94	93	90	87	85	88	82	81	82	88.1
	Minimum	68	67	64	65	60	47	39	43	49	50	55	54	49	48	50	59	55	60	62	65	69	70	69	70	67	65	64	60	59	50	61	58.5
Paradise Valley	Maximum	92	93	91	88	81	72	75	86	81	87	88	91	89	81	82	85	79	85	91	97	97	95	95	95	94	93	86	82	79	78	72	86.5
	Minimum	45	50	47	53	52	52	40	43	50	44	42	48	45	40	36	42	40	36	51	44	55	54	53	51	50	51	44	40	39	38	39	45.6
Potts	Maximum	87	89	82	79	83	89	85	84	84	87	85	90	88	90	92	86	90	94	95	91	85	87	85	89	89	90	92	87	89	86	88	87.6
	Minimum	67	60	50	40	45	50	47	41	42	46	45	45	48	50	44	46	47	40	38	37	37	35	40	48	60	59	58	50	40	35	31	45.8
Tecoma	Maximum	90	90	88	87	85	88	82	86	89	87	90	93	92	94	83	90	85	88	90	94	95	98	100	96	94	95	94	90	92	96	85	90.5
	Minimum	42	40	50	43	40	47	50	45	48	46	50	52	55	46	40	45	46	45	43	45	48	52	54	47	48	50	52	45	45	55	52	47.3
Wells	Maximum	75	77	72	75	76	74	75	71	80	81	85	87	85	86	85	87	82	85	85	92	96	98	92	95	92	91	84	84	88	86	84	84.0
	Minimum	37	39	33	35	34	39	40	37	41	41	48	50	41	39	42	42	40	39	41	50	52	51	48	50	50	48	50	48	52	50	51	43.8
Winnemucca	Maximum	94	92	91	88	81	75	80	87	82	90	89	89	85	80	85	86	81	87	94	98	98	92	94	97	94	92	86	83	81	80	76	87.3
	Minimum	52	56	53	58	57	52	42	45	55	48	56	52	57	43	46	49	48	48	52	56	61	61	59	58	54	53	55	50	47	49	42	52.1
Truckee Basin.																																	
Fernley	Maximum	99	96	91	91	82	71	86	86	87	97	91	91	90	86	91	95	90	99	100	100	99	97	98	99	98	96	94	90	84	85	84	91.7
	Minimum	65	65	56	55	52	52	43	57	55	60	63	63	53	47	50	60	53	47	51	61	64	67	58	59	70	66	50	50	43	40	44	55.5
Lewer's Ranch	Maximum	85	87	84	81	69	74	77	79	81	80	84	83	77	76	78	82	88	85	91	88	91	91	90	91	91	94	81	78	75	75	82	82.8
	Minimum	55	53	50	48	53	41	39	45	46	45	46	49	51	41	42	45	44	45	51	54	55	57	56	53	57	56	51	45	45	40	40	48.3
Reno	Maximum	90	89	87	87	70	67	82	84	85	88	85	84	80	82	85	87	88	89	95	93	94	92	93	95	93	87	80	78	77	76	79	85.2
	Minimum	60	59	53	52	57	45	42	49	53	55	59	55	54	47	50	53	47	49	52	60	60	63	59	58	61	57	52	48	49	48	46	53.3
Fallen Leaf, Cal.	Maximum	75	81	81	76	65	62	68	68	75	76	69	69	78	81	78	80	82	84	82	84	81	80	81	83	84	80	75	72	70	70	72	76.2
	Minimum	49	50	48	44	44	38	55	45	44	43	39	41	49	50	43	42	42	56	54	50	52	54	50	47	51	46	44	55	58	40	42	47.3
Tahoe, Cal.	Maximum	75	80	80	78	66	64	70	73	72	77	78	77	73	72	77	78	78	80	84	84	80	83	77	84	83	78	73	70	67	68	71	75.8
	Minimum	43	43	43	39	39	30	31	40	36	41	44	44	44	36	35	35	34	33	50	43	47	48	47	47	47	40	41	35	36	34	39	40.0
Carson Basin.																																	
Fallon	Maximum	93	95	93	91	79	74	82	89	85	92	92	93	91	83	87	92	86	91	95	99	99	98	97	98	97	95	90	87	85	84	80	90.1
	Minimum	59	60	54	55	58	46	44	51	56	54	60	59	51	48	47	54	53	48	52	56	59	67	59	59	59	63	50	46	46	49	44	53.7
Gardnerville	Maximum	84	85	....	....	....	83	76	79	80	84	82	82	81	78	81	83	84	85	88	88	86	88	87	....	87	84	80	77	76	74	78	82.2
	Minimum	53	53	....	....	....	39	39	44	46	50	54	49	49	41	44	43	40	41	45	52	54	55	51	....	53	46	42	39	45	39	42	46.2
Lahontan §§	Maximum	94	96	91	88	84	80	82	86	88	92	90	92	89	96	92	90	87	93	96	101	99	100	100	100	99	94	90	86	86	84	84	91.3
	Minimum	68	58	56	62	58	54	58	58	66	66	64	64	66	64	60	68	56	61	63	61	62	67	67	70	69	62	58	57	54	52	57	61.5
Walker Basin.																																	
Mina	Maximum	90	95	90	90	80	80	83	89	86	96	94	95	97	92	91	95	94	96	97	97	97	95	95	97	96	97	95	90	88	85	86	91.9
	Minimum	67	53	50	60	50	47	52	56	62	62	65	64	61	57	57	60	65	60	58	61	58	60	61	63	69	59	61	55	56	56	53	58.6
Yerington	Maximum	87	86	85	84	80	73	79	85	88	88	87	88	86	81	85	90	85	89	91	92	....	....	....	93	93	89	85	83	82	80	78	85.4
	Minimum	55	....	51	49	55	41	41	....	47	52	....	48	47	42	45	60	46	61	....	....	55	59	58	57	60	53	47	40	43	42	40	49.8
Bridgeport, Cal.	Maximum	79	80	76	80	68	69	80	79	76	83	82	81	76	78	82	83	84	85	89	87	86	85	82	85	84	80	75	74	72	72	80	79.7
	Minimum	51	40	60	40	40	30	33	40	40	42	40	40	39	35	37	39	30	31	40	44	50	45	44	45	48	36	31	30	35	30	37	39.4
Colorado Basin.																																	
Caliente	Maximum	100	100	94	94	98	98	100	100	100	104	106	106	110	110	105	105	104	104	98	96	96	94	94	98	100	90	94	96	95	98	96	99.5
	Minimum	60	60	56	56	60	62	64	64	64	66	66	66	64	64	66	65	66	66	64	62	60	58	58	60	62	58	60	62	60	62	61	62.0
Indian Springe	Maximum	98	98	99	98	97	97	98	97	96	96	97	99	97	96	96	98	99	99	95	95	97	90	99	96	99	95	95	96	96	93	95	96.6
	Minimum	68	70	64	75	66	68	70	69	65	65	66	65	65	65	74	60	64	62	65	68	68	70	68	69	72	66	63	65	58	64	65	66.5
Las Vegas	Maximum	101	102	105	106	105	96	102	104	102	104	103	105	106	105	105	105	106	104	98	101	105	94	98	99	102	97	98	98	98	99	101	101.7
	Minimum	79	69	69	69	64	61	62	60	70	65	63	65	68	74	58	59	58	63	68	65	74	68	72	69	73	65	69	66	64	65	61	66.3
Logan	Maximum	100	106	107	107	97	97	101	105	104	103	103	105	105	104	104	103	105	106	97	102	103	94	101	102	103	100	100	97	104	100	103	102.2
	Minimum	72	74	70	71	66	56	64	64	65	63	63	66	63	64	59	60	66	69	71	70	73	72	72	71	75	71	73	62	58	59	60	66.5
Minor Basins.																																	
Belmont	Maximum	82	83	84	80	71	74	78	80	82	82	82	82	79	78	82	84	84	87	88	83	89	89	81	87	89	86	90	80	76	75	72	81.9
	Minimum	58	48	48	50	45	38	42	46	48	49	50	52	47	46	46	46	45	48	51	55	54	55	54	54	52	54	48	47	44	46	41	48.6
Cherry Creek	Maximum	87	84	83	80	83	77	81	88	84	90	93	90	91	82	84	88	85	90	88	95	90	94	85	96	92	87	88	94	85	87	80	87.1
	Minimum	56	52	50	55	50	44	51	52	57	55	62	65	64	50	47	51	56	48	51	55	53	60	62	52	57	56	52	57	45	46	53	53.7
Columbia	Maximum	81	93	76	88	78	83	81	88	86	88	88	89	92	91	90	93	95	93	92	92	90	87	89	96	92	91	89	86	86	87	82	88.1
	Minimum	65	52	55	59	52	47	47	52	59	53	61	59	56	53	53	52	56	54	56	60	59	63	58	66	64	62	55	53	52	53	52	56.1
Gerlach	Maximum	95	96	94	88	....	82	79	85	84	90	90	90	89	93	90	89	....	90	96	97	98	102	99	98	98	96	92	85	84	81	79	90.7
	Minimum	59	66	58	53	....	51	43	55	56	54	56	63	60	56	51	55	....	50	59	59	66	60	61	58	60	57	55	57	54	48	43	56.0
Jean	Maximum	93	95	97	96	86	86	95	100	100	97	99	101	98	97	99	103	104	105	102	98	92	98	96	100	105	102	98	96	97	96	98	97.7
	Minimum	65	67	68	67	65	58	63	65	69	65	63	69	70	68	59	58	60	62	66	64	67	71	67	70	75	70	65	60	64	63	62	65.3
Lida	Maximum	78	74	81	80	84	74	68	79	84	84	81	83	86	83	83	87	....	....	....	....	89	85	87	89	92	84	81	79	81	81	80	82.1
	Minimum	44	50	57	56	46	43	50	48	57	53	61	49	54	58	54	54	....	....	....	....	51	57	55	57	66	54	55	45	50	56	51	53.0
McDermit	Maximum	89	89	87	88	77	70	73	81	77	83	86	88	80	75	81	83	76	82	89	94	95	95	93	94	89	91	86	80	77	78	70	83.7
	Minimum	60	58	53	58	54	48	41	51	46	53	57	54	49	39	42	44	39	53	59	62	62	56	60	57	53	52	50	45	43	42	42	51.0
McGill	Maximum	86	84	85	82	82	80	81	89	85	90	89	90	97	87	88	91	91	92	91	88	86	87	86	93	94	89	87	85	86	85	83	87.4
	Minimum	64	56	....	59	56	....	....	....	....	....	70	72	72	....	....	....	....	....	....	59	56	61	62	52	55	56	57	55	....	45	50	58.7
Millett	Maximum	86	86	85	84	78	75	73	88	89	88	88	89	89	82	88	89	88	91	92	88	89	88	86	90	89	81	87	83	81	81	80	85.5
	Minimum	54	45	40	49	44	45	47	42	46	48	55	55	56	46	40	42	48	44	47	62	53	55	50	50	53	49	44	38	38	41	44	47.4
Oasis Ranch	Maximum	84	94	79	94	76	83	83	94	94	94	94	94	95	95	94	95	95	95	95	95	95	84	85	95	95	94	94	84	85	89	84	90.5
	Minimum	65	47	53	52	50	40	48	46	59	52	57	58	55	58	56	49	54	54	52	61	57	56	59	60	59	60	49	51	53	46	50	53.7
Quinn River Ranch	Maximum	95	95	94	90	81	75	80	85	86	89	91	89	83	85	....	....	....	87	95	102	99	99	99	97	97	87	83	85	80	76	78	85.1
	Minimum	48	52	48	58	56	55	57	48	60	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Rebel Creek	Maximum	93	93	88	88	82	71	76	84	83	86	87	88	88	77	83	85	84	86	93	98	96	91	94	95	93	91	89	89	80	78	76	86.
	Minimum	55	54	55	57	56	45	46	48	53	50	52	54	57	44	43	47	43	46	46	53	60	66	61	61	60	55	50	53	48	45	42	51.
Rhyolite	Maximum	90	102	98	98	91	90	92	93	99	95	94	95	98	97	98	97	97	99	100	99	102	97	98	102	103	99	98	98	94	95	94	96.
	Minimum	77	63	72	70	69	78	65	63	66	69	62	82	67	63	70	66	68	67	68	69	72	69	66	70	71	70	65	68	68	65	66	68.
Sand Pass	Maximum	100	100	100	....	....	....	83	90	81	95	92	92	89	87	....	....	....	....	....	102	103	104	....	102	....	....	....	....	....	....	....	....
	Minimum	56	61	60	56	57	50	43	52	54	54	51	62	60	47	50	50	54	57	58	60	60	63	61	67	63	60	55	54	54	56	62	56.
Searchlight	Maximum	91	96	96	96	91	92	91	94	94	93	94	96	95	95	94	95	92	92	87	83	90	84	91	96	92	92	92	92	92	92	91	92.
	Minimum	79	72	72	72	69	59	66	67	68	67	68	73	71	73	65	66	69	70	70	71	73	66	68	70	73	67	67	64	65	65	65	68.
Sharp	Maximum	78	84	83	78	77	77	83	83	84	84	83	81	84	83	83	85	86	85	87	86	87	85	85	86	86	84	80	80	78	80	78	82.
	Minimum	46	46	51	47	46	43	46	52	54	46	48	46	50	50	46	44	46	46	56	56	62	51	61	56	58	52	49	40	45	46	56	49.
Sulphur	Maximum	95	92	90	88	90	80	80	80	89	87	90	88	79	87	87	84	89	88	94	100	98	99	98	99	96	92	83	80	81	79	....	88.
	Minimum	55	60	52	56	50	52	48	50	52	65	62	62	44	49	49	50	49	49	55	54	60	64	63	61	64	55	54	50	50	49	....	54.
Tonopah	Maximum	79	87	82	83	71	75	77	83	80	84	83	84	86	80	84	87	88	88	87	84	87	86	85	89	89	83	83	81	79	80	76	82.
	Minimum	65	63	61	60	52	46	48	61	56	61	61	60	61	55	57	60	58	65	65	66	64	62	60	65	67	62	59	55	55	53	49	59.

a, b, c, etc., indicates respectively 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged t the preceding day, on which it almost always occurs.


Scale of Shades.
☐ 0 to 2 inches.
▤ 2 to 4 inches.
▨ 4 to 6 inches.
▦ 6 to 8 inches.
■ Over 8 inches.
Edmonton
Battleford
Prince Albert
Calgary
Medicine Hat
Qu'Appelle
Swift Current
Minnedosa
Winnipeg
White River
Port Arthur
Salt Lake City
No Rain
No Rain
No Rain
No Rain
0
0.5
1
2
4
6
8
10
15

CORRECTIONS.

April, 1915, report, page 27.—The heading "Comparative State Data for March" should be "Comparative State Data for April."

June, 1915, report, page 44.—Tahoe, lowest temperature should be 22. Belmont, temperature departure should be −3.2.

LATE REPORTS.

(For June, 1915.)

Caliente.—Mean temperature, 67.8; highest, 100 on the 25th, 26th, 29th and 30th; lowest, 40 on the 14th; total precipitation, 0.25 inch; rainy days, 1; clear, 25; partly cloudy, 0; cloudy, 5.

Clover Valley.—Mean temperature, 59.1 *j*; highest, 86 *j* on the 24th; lowest, 31 *j* on the 14th; total precipitation, 0.33 inch; rainy days, 2.

Dry Farm.—Mean temperature, 58.6; highest, 85 on the 25th; lowest, 30 on the 14th; total precipitation, 0.24 inch; total snowfall, a trace; rainy days, 2; clear, 24; partly cloudy, 5; cloudy, 1.

Lewers Ranch.—Mean temperature, 58.8; highest, 86 on the 28th and 30th; lowest, 29 on the 11th; no precipitation; clear days, 13; partly cloudy, 17; cloudy, 0.

Owyhee.—Mean temperature, 54.5: highest, 83 on the 22nd; lowest, 30 on the 20th and 26th; total precipitation, 0.94 inch; inch; rainy days, 3; clear, 9; partly cloudy, 18; cloudy, 3.

Paradise Valley.—Mean temperature, 57.2; highest, 90 on the 22d; lowest, 28 on the 26th; total precipitation, 0.20 inch; rainy days, 2; clear, 22; partly cloudy, 7; cloudy, 1.

Vya.—Total precipitation. 0.37 inch; total snowfall, a trace; rainy days, 6; clear, 13; partly cloudy, 17; cloudy, 0.

SEP 20 1915

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

NEVADA SECTION

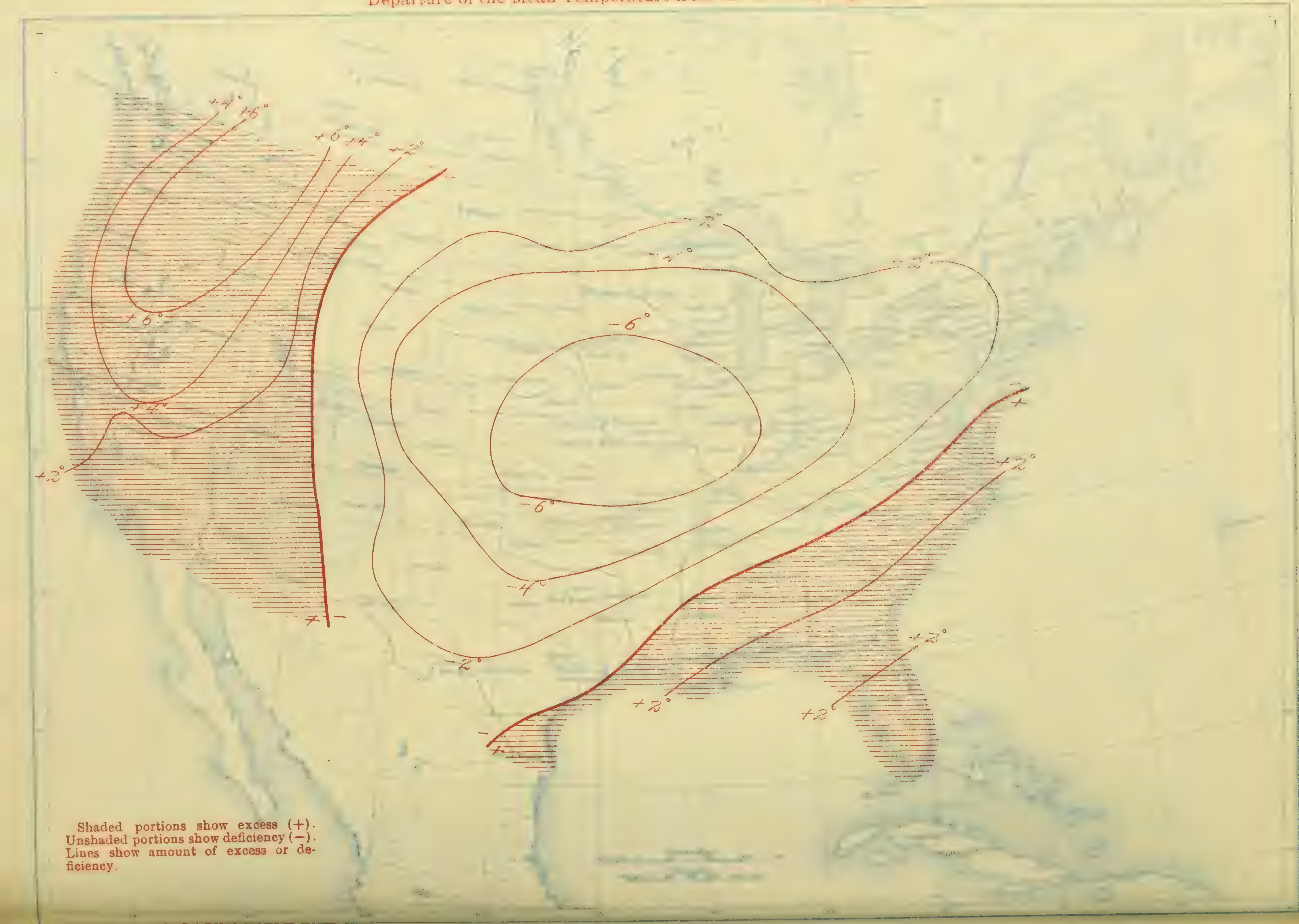
AUGUST, 1915

BY

HENRY F. ALCIATORE
SECTION DIRECTOR

RENO, NEV.
WEATHER BUREAU OFFICE
SEPTEMBER 21, 1915.

Departure of the Mean Temperature from the Normal, August, 1915.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALCIATORE, Section Director.

Vol. XXX. Reno, Nevada, August, 1915. No. 8.

GENERAL SUMMARY.

High temperatures and excessive dryness were the chief features of the month's weather. Only once during the last 27 years has August been warmer, i. e., in 1898. Excesses of temperature were reported at 79 per cent. of the stations that have ten-year normals.

The great diversity of temperature found in different parts of Nevada is strikingly illustrated by a comparison of the coolest and warmest places, this month, with other points in the United States which, ordinarily, have practically the same monthly mean temperatures in August. For instance, at Gold Creek, in Elko County, (mean, 63°), the weather was cooler than that of Alpena, Mich., while Las Vegas and Logan, in Clark County, (means, 84° and 85°) were warmer than Key West, Fla.

But little rain occurred between the 1st and 30th, but on the 31st light showers fell over large areas; in spite of these however, the average rainfall was only 21 per cent. of the normal. At Fallon and Searchlight the monthly fall was 0.58 inch and 0.99 inch, respectively; nineteen stations reported a trace of rain, and thirteen others none at all; at the remaining stations the amounts recorded ranged from 0.01 to 0.41 inch.

Most of the rivers and streams are abnormally low, due to the light snows last winter, a dry summer, and an increasing demand for water for agricultural and municipal purposes; this is particularly true of the Humboldt and Carson rivers. At Lovelocks, on the Humboldt, the city water supply has been very uncertain. In the Truckee district, however, the water supply for irrigation (which comes from Lake Tahoe) has been quite ample.

The ranges, owing to the semi-droughty conditions that have obtained all summer, are generally poor. The grain crops, on the whole, have yielded well. At the close of the month cattle and sheep were reported in good condition generally; the third crop of alfalfa was about ready to cut, and the fruit outlook was fairly good.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 45 stations, was 73.3°. The mean for the 29 stations having ten or more years record was 1.6° above the normal. The highest recorded was 112°, at Logan on the 20th; the lowest was 33° at Halleck on the 7th. The greatest daily range was 67° at Halleck on the 20th. The highest monthly mean was 84.8°, at Logan. The lowest monthly mean was 62.6°, at Gold Creek.

PRECIPITATION.

The average for 54 stations reporting was 0.08 inch. For the 32 stations having ten or more years record, the mean was 0.31 inch below the normal. The average amount at 3 stations in the Columbia Basin was 0.03 inch; at 18 stations in the Humboldt Basin, 0.06 inch; at 10 stations in the Truckee Basin, 0.01 inch; at 5 stations in the Carson Basin, 0.23 inch; at 4 stations in the Walker Basin, 0.15 inch; at 4 stations in the Colorado Basin, 0.10 inch; at 19 stations in the minor basins, 0.08 inch. The greatest monthly fall was 0.99 inch at Searchlight; there was none at 13 stations. The average number of days with precipitation was 1.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric Pressure (sea level)			Mean relative humidity		Wind.			
							Maximum velocity		
	Mean.	Highest.	Lowest.	5 a. m.	5 p. m.	Average hourly velocity	Miles per hour	Direction.	Date.
Reno	29.88	30.15	29.67	48	16	6.8	31	w	31
Winnemucca	29.90	30.18	29.61	40	15	5.1	38	s	31
Tonopah	29.90	30.16	29.70	32	14	7.3	26	nw	24

SUNSHINE AND CLOUDINESS.

At Reno 94 per cent of the possible sunshine was recorded; at Winnemucca, 93 per cent; at Tonopah, 95 per cent. For the State, the average number of clear days was 25; partly cloudy, 5; cloudy, 1.

MISCELLANEOUS PHENOMENA.

(Dates of)

Thunderstorms.—5, 14, 15, 17, 21, 23, 24, 27, 30, 31.

Brisk Winds.—4, 10, 11, 13, 14, 15, 16, 17, 21, 23, 24, 27, 30, 31.

COMPARATIVE DATA FOR AUGUST.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	73.2	117	29	1.06	0	2	19	6	6	s
1890	70.1	110	28	2.06	0	5	16	9	6	sw
1891	72.0	101	25	0.44	0	2	21	6	4	s
1892	71.2	105	20	0.01	0	0	21	9	1	w
1893	71.1	104	25	0.26	0	2	16	7	8	sw
1894	71.0	105	30	0.45	0	4	17	7	7	sw
1895	70.6	112	24	0.15	T.	1	19	8	4	sw
1896	69.0	109	34	0.82	0	3	16	8	7	w
1897	73.3	110	31	0.31	0	2	17	8	6	s
1898	73.6	112	29	0.45	6	2	18	8	5	sw
1899	63.7	99	20	0.82	T.	3	19	5	7	w
1900	66.6	110	30	0.04	0	0	22	6	3	sw
1901	68.3	101	29	2.05	0	6	17	5	9	sw
1902	68.9	117	30	0.22	0	2	21	5	5	sw
1903	69.7	114	28	0.10	0	1	24	6	1	sw
1904	68.6	105	22	1.81	0	7	12	8	11	sw
1905	70.7	108	31	0.27	0	1	21	6	4	sw
1906	70.2	111	26	0.80	0	3	17	8	6	w
1907	67.7	109	22	0.31	0	2	20	7	4	s
1908	69.7	108	18	0.36	0	2	17	8	6	w
1909	70.9	112	25	0.48	0	2	21	7	3	sw
1910	69.3	111	20	0.08	0	1	25	4	2	w
1911	67.3	110	27	0.01	0	0	27	3	1	w
1912	67.7	110	23	0.35	0	2	23	5	3	w
1913	70.4	109	25	0.75	0	5	15	11	5	w
1914	72.5	122	14	0.14	0	1	23	7	1	sw
1915	73.3	112	32	0.08	0	1	25	5	1	s
Entire period	70.9	122	14	0.54	T.	2	20	6	5	sw

LATE REPORTS.

May, 1915.—Shafter, mean temperature, 49.3; highest, 79, on 16th and 31st; lowest, 21, on 3d; total precipitation, 1.10; days with rain, 4; clear, 13; partly cloudy, 16; cloudy, 2.

June, 1915.—Shafter, mean temperature, 56.2; highest, 89, on 22-24; lowest, 24, on 15th; total precipitation, 0.20; days with rain, 1; clear, 23, partly cloudy, 4; cloudy, 3.

July, 1915.—Owyhee, mean temperature, 64.2; highest, 96, on 23d; lowest, 36, on 17th; total precipitation, 0.88; days with rain, 3. Thorne, (four days missing from temperature record) mean temperature, 75.2; highest, 98, on 29th and 30th; lowest, 41, on 1st; total precipitation, 0.03; days with rain, 1; clear, 20; partly cloudy, 9; cloudy, 2.

CORRECTIONS.

August, 1914, report.—Page 59. Comparative data for August. Number of partly cloudy days in 1909 should be 7.

Climatological data for August, 1915.

Stations.	Counties.	Elevation, feet.	Temperature, in degrees Fahr.								Precipitation, in inches.					Number of days				Prevailing direction of the wind.	Observers.
			Length of record, years.	Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted.)	With precipitation (0.01 inch or more.)	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek	Elko	6,600	2	62.6	....	88	†9	34	17	52	2	0.00	....	0.00	0	0	23	4	4	s	Forest Supervisor.
Jack Creek**	do	6,300	....	....	....	....	....	....	....	....	2	T.	....	T.	0	0	25	6	0	....	C. E. Butler.
Owyhee	do	5,400	4	....	....	....	....	....	....	....	4	....	....	....	....	....	....	....	....	....	Indian Service.
San Jacinto	do	5,200	10	66.5	+4.1	96	10	38	1	54	10	0.08	−0.53	0.05	0	3	20	6	5	w	J. S. Parmley.
Humboldt Basin.																					
Arthur	Elko	6,500	....	....	....	....	....	....	....	....	5	0.20	−0.24	0.20	0	1	30	1	0	....	Isaac Woodhouse.
Austin	Lander	6,594	26	71.0	+2.9	95	29	47	31	38	26	0.41	−0.22	0.41	0	1	30	0	1	....	Forest Service.
Battle Mountain	do	4,513	44	77.2	+3.8	108	†20	42	11	62	46	T.	−0.14	T.	0	0	26	4	1	....	Southern Pacific Co.
Beowawe	Eureka	4,695	44	70.9	−3.0	102	29	40	24	58	46	T.	−0.19	T.	0	0	29	2	0	s	Do.
Carlin	Elko	4,896	44	64.3	−4.4	100	†19	36	†3	59	44	0.00	−0.17	0.00	0	0	22	8	1	....	Western Pacific Co.
Clover Valley**	do	6,000	14	68.5	+3.0	93	30	42	1	43	22	0.24	−0.36	0.10	0	3	20	9	2	....	I. F. Wiseman.
Dry Farm **	do	5,600	3	....	....	....	....	....	....	....	6	....	....	....	....	....	....	....	....	....	Walfrid Sohlman.
Elko	do	5,063	44	68.0	+2.2	97	†21	40	†3	56	45	T.	−0.28	T.	0	0	11	16	4	sw	Western Pacific Co.
Eureka	Eureka	6,837	17	^{n}72.2	+2.6	^{n}96	29	^{n}50	15	^{n}43	19	0.00	−0.71	0.00	0	0	....	....	....	s	Clay Simms.
Golconda	Humboldt	4,392	36	72.7	+1.5	98	†9	44	10	53	38	T.	−0.09	T	0	0	27	0	4	....	Southern Pacific Co.
Halleck	Elko	5,229	22	68.2	+1.0	108	31	33	7	67	46	T.	−0.18	T.	0	0	....	....	....	....	Do.
Hylton	do	7,081	....	....	....	....	....	....	....	....	5	T.	....	T.	0	0	24	7	0	....	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	2	73.8	+0.9	101	29	42	13	49	2	T.	−0.14	T.	0	0	29	2	0	....	Southern Pacific Co.
Lovelocks	do	3,977	21	....	....	....	....	....	....	....	19	....	....	....	....	....	....	....	....	....	High School.
Metropolis §	Elko	5,661	2	....	....	....	....	....	....	....	6	T.	−0.22	T.	0	0	....	....	....	....	Geo. Hofmeister.
North Fork ††	do	6,500	....	....	....	....	....	....	....	....	6	T.	....	T.	0	0	13	12	6	w	Chas. Pratt.
Paradise Valley	Humboldt	4,500	2	69.8	....	100	29	38	1	55	6	T.	....	T.	0	0	22	7	2	sw	R. M. Taylor.
Potts	Nye	6,002	22	64.2	−3.6	92	29	34	1	53	24	0.01	−0.56	0.01	0	1	12	10	9	s	Miss Maud Potts.
Shafter §	Elko	5,583	2	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	Geo. Kernan.
Tecoma	do	4,812	37	69.3	−1.5	100	11	40	†1	54	39	0.02	−0.21	0.02	0	1	10	21	0	s	Southern Pacific Co.
Wells	do	5,631	43	....	....	97	20	....	....	....	46	0.15	−0.07	0.15	0	1	25	2	4	....	Do.
Winnemucca	Humboldt	4,344	36	72.0	+1.2	101	29	44	1	51	46	0.08	−0.09	0.08	0	1	26	3	2	sw	U. S. Weather Bureau.
Truckee Basin.																					
Fernley	Lyon	4,150	42	77.2	+2.8	105	28	47	3	54	46	0.00	−0.18	0.00	0	0	26	4	1	....	Mrs. G. A. Steele.
Glenbrook	Douglas	6,240	6	....	....	....	....	....	....	....	6	....	....	....	....	....	....	....	....	....	C. C. Henningsen.
Lewers Ranch **	Washoe	5,500	27	69.2	+1.3	98	†29	44	5	47	28	0.00	−0.36	0.00	0	0	23	7	1	....	Ross Lewers.
Marlette Lake**	do	7,900	....	....	....	....	....	....	....	....	2	0.00	....	0.00	0	0	31	0	0	s	V. & G. H. Water Co.
Reno	do	4,532	28	72.6	+5.6	100	29	47	1	45	28	T.	−0.25	T.	0	0	28	3	0	w	U. S. Weather Bureau.
Bijou, Cal.	....	6,230	....	....	....	....	....	....	....	....	6	0.03	....	0.03	0	1	19	10	2	n	Chas. Young.
Fallen Leaf, Cal.	....	6,400	3	65.8	....	91	30	45	†1	39	3	T.	....	T.	0	0	28	3	0	n	W. W. Price.
Hobart Mills, Cal.	....	5,900	....	....	....	....	....	....	....	....	6	0.04	....	0.02	0	3	25	3	3	s	S. E. Patterson.
McKinney, Cal.	....	6,225	6	....	....	....	....	....	....	....	6	0.00	....	0.00	0	0	27	4	0	sw	Fred Jensen.
Tahoe, Cal.	....	6,240	7	61.2	....	89	29	37	6	45	7	T.	....	T.	0	0	28	3	0	w	Mrs. Northrup A. Pomin.
Tallac, Cal.	....	6,230	....	....	....	....	....	....	....	....	6	T.	....	T.	0	0	....	....	....	....	Willis D. Sloan.
Carson Basin.																					
Fallon	Churchill	3,965	21	73.8	+1.8	100	29	46	8	49	21	0.58	+0.46	0.56	0	2	28	3	0	sw	U.S. Experiment Station.
Gardnerville	Douglas	4,830	24	^{e}65.6	−2.0	^{e}92	29	^{e}40	3	^{e}47	25	0.31	+0.11	0.29	0	2	....	....	....	w	Forest Service.
Lahontan	Churchill	4,200	3	80.2	....	104	29	52	1	43	5	0.08	....	0.08	0	1	25	6	0	w	U.S. Reclamat'n Service.
Markleeville, Cal.	....	5,525	....	....	....	....	....	....	....	....	6	T.	....	T.	0	0	28	3	0	s	Mrs. Mary Thornburg.
Woodfords, Cal.	....	5,634	....	....	....	....	....	....	....	....	6	0.16	....	0.08	0	3	12	12	7	sw	Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	8	77.8	+1.8	103	29	50	†17	45	19	0.00	−0.41	0.00	0	0	29	2	0	....	Southern Pacific Co.
Smith	Lyon	4,800	....	....	....	....	....	....	....	....	7	....	....	....	....	....	....	....	....	....	C. M. Carter.
Thorne §	Mineral	4,200	2	77.4	+1.5	100	29	53	†12	46	2	0.13	−0.15	0.13	0	1	23	3	5	....	Southern Pacific Co.
Yerington §	Lyon	4,375	6	70.1	0.0	95	29	37	1	48	6	0.18	−0.02	0.18	0	1	27	1	3	sw	High School.
Bridgeport, Cal.	....	6,500	2	60.5	....	90	†28	31	7	53	4	0.31	....	0.14	0	3	15	9	7	w	A. F. Scott.
Shields Ranch, Cal. **	....	5,300	....	....	....	....	....	....	....	....	6	T.	....	T.	0	0	6	22	3	....	Frank W. Chichester.
Colorado Basin.																					
Caliente §	Lincoln	4,407	5	80.8	+9.0	108	16	52	30	51	5	0.00	−1.44	0.00	0	0	28	3	0	s	Salt Lake Route.
Indian Springs §**	Clark	3,136	2	80.5	....	104	20	56	†16	44	2	0.22	....	0.22	0	1	29	1	1	se	Ira McFarland.
Las Vegas	do	2,033	13	83.7	+3.7	109	20	55	23	50	13	0.01	−0.56	0.01	0	1	27	4	0	se	C. P. Squires.
Logan §	do	1,355	8	84.8	−1.3	112	20	58	20	54	16	0.18	−0.26	0.18	0	1	26	5	0	....	Experiment Farm.
Minor Basins.																					
Belmont	Nye	8,132	15	68.7	+2.7	89	†4	46	6	38	15	T.	−0.94	T.	0	0	20	7	4	s	Lloyd G. Nelson.
Cherry Creek	White Pine	6,450	7	71.8	....	99	9	43	1	47	7	0.06	....	0.06	0	1	22	7	2	w	J. H. Leishman.
Columbia**	Esmeralda	5,700	8	63.7	....	98	29	48	16	43	10	0.01	....	0.01	0	1	22	9	0	se	A. Booth.
Gerlach	Washoe	3,931	3	74.6	....	102	†29	43	†20	55	3	T.	....	T.	0	0	24	7	0	w	Western Pacific Co.
Jean	Clark	2,864	7	82.6	....	110	20	50	18	39	8	T.	....	T.	0	0	27	3	1	w	Salt Lake Route.
Jungo	Humboldt	4,165	....	....	....	....	....	....	....	....	2	T.	....	T.	0	0	21	8	2	sw	Western Pacific Co.
Lida §	Esmeralda	6,037	3	....	....	....	....	....	....	....	3	....	....	....	....	....	....	....	....	....	L. F. Detwiler.
McDermitt	Humboldt	4,700	25	72.0	−0.3	97	29	46	1	42	25	T.	−0.15	T.	0	0	26	5	0	sw	U. S. Indian Service.
McGill §	White Pine	6,338	5	72.9	+8.0	97	20	45	1	44	5	0.22	−0.86	0.17	0	2	26	3	2	n	R. E. Middagh.
Millett	Nye	5,040	7	66.6	....	95	†28	37	18	55	8	0.32	....	0.32	0	1	18	10	3	....	Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	3	71.2	+3.9	99	23	45	†7	49	3	0.00	−0.56	0.00	0	0	29	0	2	s	Arthur L. Stewart.
Pahrump **	Nye	2,608	2	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	F. A. Buol.
Pyramid (near)**	Washoe	....	....	....	....	....	....	....	....	....	1	T.	....	T.	0	0	30	1	0	....	F. O. Norton.
Quinn Riv. Ranch **	Humboldt	4,850	13	....	....	104	29	....	....	....	14	0.00	−0.18	0.00	0	0	26	3	2	sw	F. M. Payne.
Rebel Creek	do	4,300	3	73.6	....	99	28	46	1	44	4	T.	....	T.	0	0	22	7	2	sw	Fred Whitaker.
Rhyolite	Nye	3,680	2	83.4	....	107	20	60	†16	39	2	T.	....	T.	0	0	28	3	0	s	Secretary School Board.
Sand Pass	Washoe	4,198	2	^{j}78.2	....	^{j}105	29	48	4	^{j}45	2	0.00	....	0.00	0	0	29	2	0	w	R. R. Mott.
Searchlight	Clark	3,445	2	83.1	....	104	20	62	27	30	2	0.99	....	0.89	0	3	23	7	1	s	C. L. Aug. Mahn.
Sharp	Nye	6,200	2	70.8	....	95	21	47	15	44	2	0.00	....	0.00	0	0	31	0	0	w	F. A. Sears.
Sulphur	Humboldt	4,044	2	74.8	....	104	30	48	1	49	2	0.00	....	0.00	0	0	26	5	0	....	Western Pacific Co.
Tonopah	Nye	6,090	10	71.2	....	92	29	56	1	27	10	0.02	....	0.02	0	1	23	8	0	se	U. S. Weather Bureau.
Vya	Washoe	5,500	2	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	W. N. Lord.
For the State	....	....	....	73.3	+1.6	112	20	33	7	67	....	0.08	−0.31	0.89	0	1	25	5	1	s	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post office addresses of these stations are as follows: Of Jack Creek, Tuscarora; of Clover Valley, Wells; of Dry Farm, Lamoille; of Lewers Ranch, Franktown; of Marlette Lake, Virginia City; of Shields Ranch, Coleville, Cal.; of Indian Springs, Las Vegas; of Columbia, Goldfield; of Oasis Ranch, Oasis, Cal.; of Pahrump, Shoshone, via Tecopa, Cal.; of Pyramid (near), Reno; of Quinn River Ranch, Amos.

Reference letters a, b, c, appearing in the table indicate number of days missing, for example, b represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for August, 1915.

Stations	Day of month																															Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia Basin.																																
Gold Creek																																0.00
Jack Creek																	T					T									T	T
Owyhee																																
San Jacinto						.05									.01																.02	0.08
Humboldt Basin.																																
Arthur																															.20	0.20
Austin ‖																															.11	0.11
Battle Mountain ‖																															T	T
Beowawe ‖																							T								T	T
Carlin																																0.00
Clover Valley					.10												T							.04							.10	0.24
Dry Farm																																
Elko						T																										T
Eureka																																0.00
Golconda																															T	T
Halleck																	T															T
Hylton																								T								T
Imlay																															T	T
Lovelocks																																
Metropolis																	T									T					T	T
North Fork																														T		T
Paradise Valley														T	T								T	T							T	T
Potts					T																										.01	0.01
Shafter																																
Tecoma							.02																									0.02
Wells																	.15															0.15
Winnemucca***															T		T														.08	0.08
Truckee Basin.																																
Fernley																																0.00
Glenbrook																																
Lewers Ranch																																0.00
Marlette Lake ‖																																0.00
Reno ***																								T								T.
Bijou, Cal.																						T.	T.	.03								0.03
Fallen Leaf, Cal.																								T								T.
Hobart Mills, Cal.														.01	.02								.01									0.04
McKinney, Cal.																																0.00
Tahoe, Cal.																															T.	T.
Tallac, Cal.																								T.							T.	T.
Carson Basin.																																
Fallon																								.02							.56	0.58
Gardnerville																								.29							.02	0.31
Lahontan ‖																															.08	0.08
Markleeville, Cal.																														T.	T.	T.
Woodfords, Cal.	.08																								.06						.02	0.16
Walker Basin.																																
Mina																																0.00
Smith																																
Thorne																															.13	0.13
Yerington																							T.								.18	0.18
Bridgeport, Cal.																							.05	.12							.14	0.31
Shields Ranch, Cal.														T.									T.	T.								T.
Colorado Basin.																																
Caliente																																0.00
Indian Springs					T.																					.22						0.22
Las Vegas				.01	T.																					T.						0.01
Logan																														.18		0.18
Minor Basins.																																
Belmont																												T.		T.		T.
Cherry Creek					T.	.06																										0.06
Columbia																														.01		0.01
Gerlach																							T.									T.
Jean				T.																												T.
Jungo																															T.	T.
Lida																																
McDermit													T.	T.							T.											T.
McGill						.05																								T.	.17	0.22
Millett																								T.							.32	0.32
Oasis Ranch																																0.00
Pahrump																																
Pyramid																															T.	T.
Quinn River Ranch																																0.00
Rebel Creek																								T.								T.
Rhyolite				T.																												T.
Sand Pass																																0.00
Searchlight					.07	.03																					.89					0.99
Sharp																																0.00
Sulphur																																0.00
Tonopah***																														T.	.02	0.02
Vya																																

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight.

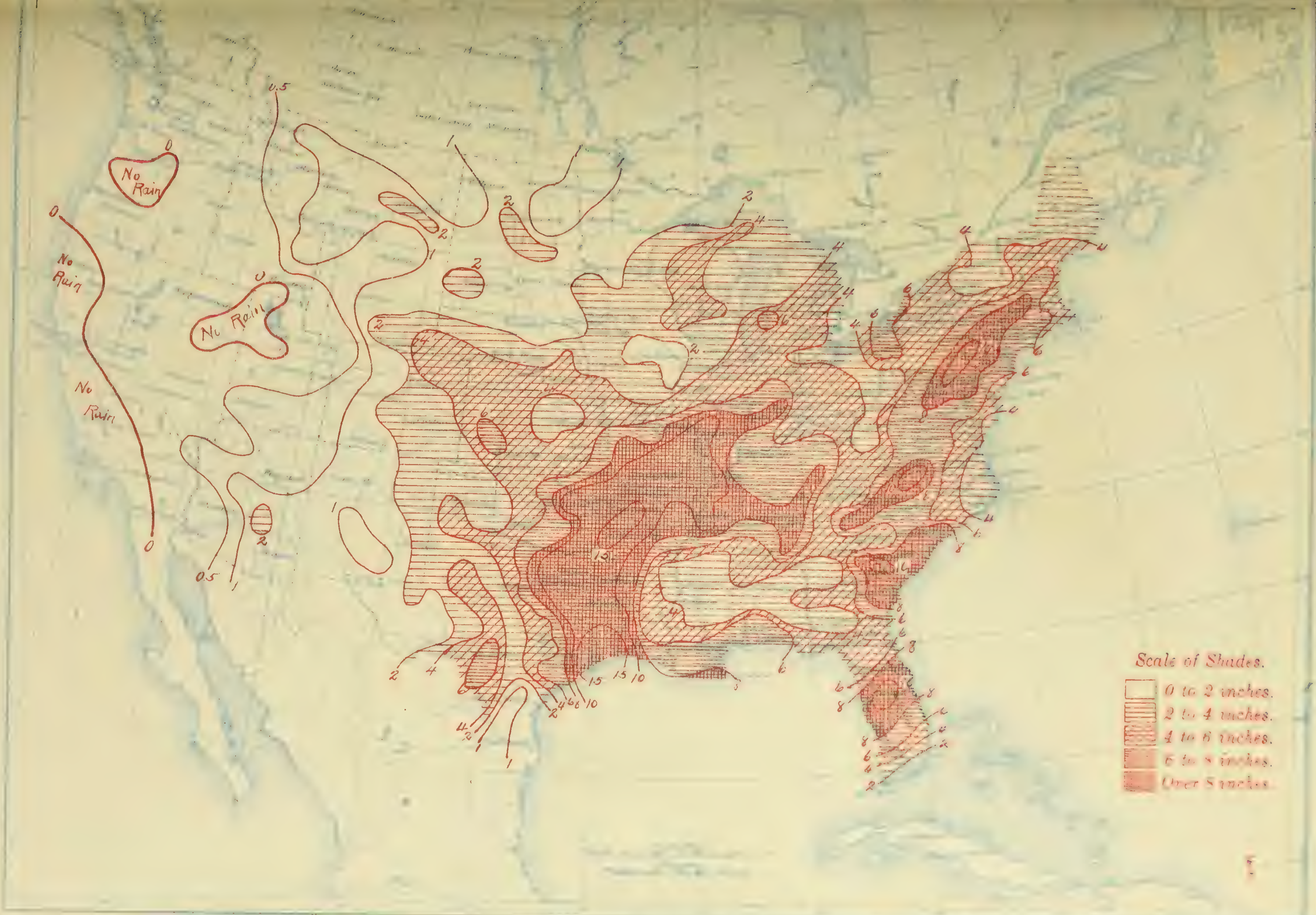
‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

T. Trace, or less than 0.01 inch. ** Incomplete.

Daily temperatures for August, 1915.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek	Maximum	82	83	84	86	86	80	78	85	88	88	80	85	81	82	82	83	85	82	85	83	80	81	77	78	80	82	85	86	86	87	75	82.7
	Minimum	45	46	48	50	49	40	40	40	38	36	35	40	43	45	40	37	34	40	45	44	42	40	38	37	40	45	48	50	50	52	35	42.4
San Jacinto	Maximum	76	87	92	91	91	93	85	89	94	96	89	84	88	90	90	91	88	89	87	87	85	89	82	82	82	87	89	90	89	94	86	88.2
	Minimum	38	48	55	48	44	45	51	40	40	44	52	42	44	42	47	54	52	53	44	43	41	42	43	43	42	39	40	43	41	40	49	44.8
Humboldt Basin.																																	
Austin	Maximum	81	80	84	86	88	88	88	91	92	91	85	90	86	86	82	86	87	90	91	91	90	89	82	81	86	88	92	93	95	90	79	87.4
	Minimum	48	50	57	55	57	54	51	54	59	53	51	53	54	55	52	55	53	58	58	56	57	56	52	50	57	55	56	62	58	60	47	54.6
Battle Mountain §§	Maximum	100	95	100	103	103	100	103	102	107	105	98	103	107	104	100	103	107	103	105	108	104	104	100	102	98	104	105	108	107	107	92	102.8
	Minimum	49	46	45	50	51	50	53	51	48	60	42	50	53	48	50	55	58	56	43	47	53	50	48	50	50	55	51	58	60	63	59	51.7
Beowawe §§	Maximum	96	92	98	93	98	92	92	95	101	99	100	96	98	94	94	95	95	97	96	95	96	90	90	90	95	95	96	101	102	98	94	95.4
	Minimum	48	49	47	46	48	42	44	42	45	42	44	46	46	46	45	44	45	47	46	51	44	48	47	40	45	44	42	43	56	60	57	46.4
Carlin	Maximum	89	90	89	91	90	90	89	91	90	86	88	90	91	92	93	92	95	97	100	100	100	98	80	78	80	82	80	81	84	80	81	88.9
	Minimum	37	37	36	37	36	37	40	38	42	39	41	40	39	40	42	40	41	42	42	41	41	42	40	39	40	41	39	40	42	41	40	39.7
Clover Valley	Maximum	77	85	89	89	87	89	90	85	92	92	85	86	89	87	87	86	85	88	90	90	89	85	81	84	87	88	88	90	91	93	87	87.6
	Minimum	42	43	47	54	52	53	47	47	49	60	53	47	51	45	47	47	47	47	50	49	47	56	53	44	46	52	48	47	53	51	54	49.4
Elko	Maximum	90	92	94	96	95	94	94	93	94	92	90	92	94	94	96	96	96	91	91	95	97	93	87	84	85	91	93	94	97	94	90	92.7
	Minimum	42	42	40	40	50	45	43	43	40	41	42	40	43	42	40	40	42	47	47	41	42	46	46	41	42	43	45	43	45	43	61	43.4
Eureka	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	84	86	87	91	93	94	95	89	86	88	88	87	86	90	96	93	84	89.2
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	50	52	56	51	58	55	52	52	55	57	56	58	50	59	62	58	57	55.2
Golconda	Maximum	85	94	95	95	93	94	92	96	98	97	90	90	91	92	92	93	92	92	96	95	95	90	92	87	87	92	94	97	98	96	90	92.9
	Minimum	45	59	60	50	54	61	50	48	50	44	50	50	60	55	55	54	48	52	53	54	54	55	50	50	50	48	52	55	55	60	45	52.5
Halleck	Maximum	81	88	89	90	91	83	87	97	98	95	91	91	92	98	99	99	100	100	103	105	104	100	91	90	95	96	99	105	104	106	108	96.0
	Minimum	39	41	42	47	46	38	33	35	35	38	43	39	42	38	39	38	40	39	38	38	42	41	42	36	40	42	41	48	42	41	52	40.5
Imlay	Maximum	90	92	91	92	93	94	91	92	91	97	91	94	91	93	94	91	90	95	98	96	93	92	94	95	92	94	95	100	101	91	85	93.2
	Minimum	48	49	50	55	60	68	48	55	58	50	54	46	42	48	49	55	58	57	55	54	55	58	57	59	58	50	55	54	53	60	65	54.3
Paradise Valley	Maximum	83	91	93	94	94	94	92	94	97	97	89	92	94	95	92	91	93	93	97	95	91	92	87	88	91	93	96	99	100	96	91	93.0
	Minimum	38	46	43	46	46	46	44	41	43	42	56	46	51	61	49	49	46	47	46	46	43	46	43	43	42	45	45	50	54	49	52	46.6
Potts	Maximum	82	87	90	88	86	86	87	90	88	87	89	88	87	82	84	84	82	89	90	86	89	86	85	86	87	86	90	90	92	89	87	87.1
	Minimum	34	37	37	44	49	43	43	40	37	39	38	38	40	38	36	41	42	39	39	42	40	42	41	42	37	38	42	45	55	55	51	41.4
Tecoma	Maximum	84	85	95	97	96	94	93	95	97	99	100	97	98	96	95	93	90	93	95	92	98	97	92	89	92	90	96	99	97	98	97	91.3
	Minimum	40	40	45	52	54	51	55	54	55	57	50	45	50	45	42	40	40	48	48	47	48	49	43	40	41	40	45	56	48	44	54	47.3
Wells	Maximum	84	88	88	89	88	88	89	90	89	91	90	93	91	88	89	89	88	93	93	97	91	88	89	88	89	90	92	89	88	89	90	89.6
	Minimum	49	50	52	51	52	52	50	52	49	53	52	50	51	52	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Winnemucca	Maximum	84	94	94	93	94	94	90	93	98	96	90	94	94	95	92	92	93	95	98	96	92	92	90	88	90	96	97	100	101	96	90	93.6
	Minimum	44	47	51	50	47	51	49	45	48	46	58	47	51	61	55	49	47	45	47	47	52	49	57	51	48	55	46	50	58	54	61	50.5
Truckee Basin.																																	
Fernley	Maximum	92	95	96	97	96	94	93	99	102	100	98	98	94	98	97	95	97	99	100	100	97	99	98	92	98	101	104	105	99	97	97	97.6
	Minimum	49	48	47	52	50	54	49	53	53	54	50	54	64	64	63	63	63	59	64	63	58	60	58	61	59	61	61	52	61	59	59	56.9
Lewer's Ranch	Maximum	89	85	86	86	85	86	84	85	86	87	88	89	88	90	90	89	90	91	92	91	90	91	92	91	90	91	92	95	98	94	98	89.6
	Minimum	46	49	45	47	44	51	45	47	49	50	51	52	52	51	51	49	50	47	48	47	50	47	48	47	47	48	50	50	51	50	51	48.7
Reno	Maximum	87	88	89	91	89	88	86	95	95	93	87	91	90	91	90	90	89	94	94	94	90	92	90	89	90	94	97	98	100	92	86	91.3
	Minimum	47	53	50	50	53	54	48	50	55	56	55	52	55	56	56	55	54	52	54	52	54	51	59	53	53	57	55	57	57	62	60	54.0
Fallen Leaf, Cal.	Maximum	73	83	82	83	82	80	80	81	84	83	82	80	78	82	83	79	81	86	86	87	86	79	80	76	79	85	80	84	88	91	80	82.0
	Minimum	45	52	47	52	50	52	49	47	47	48	52	45	46	48	51	49	46	48	47	49	54	48	54	49	47	48	50	51	53	55	56	49.5
Tahoe, Cal.	Maximum	75	80	81	82	80	77	80	82	82	80	78	78	78	80	81	80	78	82	84	85	83	80	80	79	80	82	84	87	89	84	79	81.0
	Minimum	39	43	43	48	44	37	39	39	40	39	39	39	39	42	43	42	38	40	40	40	41	39	40	41	42	43	43	43	44	48	47	41.4
Carson Basin.																																	
Fallon	Maximum	87	96	95	95	95	94	93	95	96	95	91	95	93	93	92	94	94	96	97	98	97	94	92	91	91	95	96	99	100	99	95	94.6
	Minimum	47	48	47	52	52	53	49	46	50	53	50	50	53	60	53	55	56	52	52	52	53	51	60	56	52	53	55	54	54	62	60	52.9
Gardnerville	Maximum	82	83	85	85	84	83	....	87	88	85	84	83	82	....	....	84	84	88	90	90	87	....	86	80	84	87	87	....	92	89	85	85.5
	Minimum	43	46	40	44	46	46	....	43	44	47	50	44	45	....	....	48	45	45	47	44	43	....	44	46	44	49	45	....	45	53	51	45.7
Lahontan §§	Maximum	84	89	98	98	98	95	93	98	101	99	95	97	96	94	95	95	95	98	99	101	98	96	94	91	92	97	99	102	104	99	92	96.2
	Minimum	52	59	66	64	55	64	60	66	65	61	67	65	69	69	64	68	63	64	66	65	63	67	63	60	64	66	71	69	73	68	56	64.3
Walker Basin.																																	
Mina	Maximum	90	91	96	96	96	96	95	97	99	99	95	96	95	96	93	94	95	98	101	99	100	95	93	91	93	95	96	100	103	98	94	96.0
	Minimum	53	52	54	60	60	60	62	57	71	62	60	59	60	63	52	54	50	60	63	65	59	61	66	60	50	60	60	60	58	65	72	59.6
Thorne	Maximum	97	96	95	96	97	95	96	95	96	96	98	99	99	98	95	96	96	96	96	99	96	92	92	87	91	95	95	97	100	96	93	95.6
	Minimum	58	58	56	59	60	58	59	60	58	58	59	53	58	60	60	58	59	59	60	60	63	59	60	59	53	57	62	57	60	66	67	59.1
Yerington	Maximum	85	90	92	92	90	90	89	92	93	92	88	90	88	87	89	88	89	91	92	93	88	93	87	84	87	90	91	93	95	91	85	89.8
	Minimum	37	48	48	52	50	49	45	44	49	51	50	46	47	51	50	50	49	48	72	52	46	49	62	54	45	52	51	52	....	56	56	50.4
Bridgeport, Cal.	Maximum	82	81	83	81	82	83	82	86	88	84	82	84	85	83	80	82	82	86	88	88	85	84	82	80	82	83	88	90	90	88	78	83.9
	Minimum	35	40	32	40	40	33	31	35	36	40	39	34	37	40	40	40	32	35	35	36	37	36	40	35	33	35	35	38	38	44	50	37.1
Colorado Basin.																																	
Caliente	Maximum	101	100	104	98	103	104	103	98	97	99	100	100	106	104	105	108	104	100	101	102	104	104	106	106	104	106	105	103	104	102	100	102.6
	Minimum	62	60	62	58	58	60	60	55	55	58	60	60	66	64	65	66	62	60	58	58	60	60	66	56	54	55	54	54	56	52	54	59.0
Indian Springs	Maximum	97	96	100	98	99	96	99	103	100	103	103	102	99	97	95	98	100	99	103	104	100	97	95	93	96	94	91	98	99	95	92	98.1
	Minimum	63	62	62	69	68	70	63	64	63	63	65	65	62	60	58	56	62	60	59	60	61	62	59	56	59	66	64	62	63	72	71	62.9
Las Vegas	Maximum	102	102	105	104	104	106	104	105	106	108	105	105	101	102	103	105	105	104	105	109	106	104	101	104	104	102	104	103	102	103	102	104.0
	Minimum	61	63	63	68	65	70	64	60	63	64	68	65	61	57	57	62	64	61	60	59	69	61	55	58	64	69	64	65	65	77	62	63.4
Logan	Maximum	102	105	108	105	105	102	105	108	111	110	109	106	104	101	103	105	107	107	110	112	107	105	105	100	103	103	97	106	107	102	102	105.2
	Minimum	63	62	62	67	70	70	68	65	62	64	64	63	62	60	60	68	65	61	62	58	68	62	60	60	63	72	69	63	63	72	67	64.4
Minor Basins.																																	
Belmont	Maximum	84	82	86	89	85	81	85	81	84	88	86	83	87	89	86	84	89	87	86	88	88	86	82	83	85	85	81	78	81	78	76	84.3
	Minimum	56	55	55	51	54	46	49	52	50	52	59	56	54	56	54	50	56	59	54	54	56	57	51	47	52	54	56	52	50	51	47	53.1
Cherry Creek	Maximum	78	88	90	92	89	94	90	95	99	95	92	90	88	88	84	88	90	91	93	94	95	91	84	89	86	90	93	91	95	94	92	90.6
	Minimum	43	52	53	60	63	53	49	49	52	59	56	50	51	48	56	54	50	51	53	50	51	55	58	45	47	50	64	55	54	53	62	53.1
Columbia	Maximum	86	91	91	91	93	89	92	94	94	94	94	92	88	85	84	87	91	93	96	97	94	91	89	89	89	91	93	96	98	93	88	91.4
	Minimum	53	53	58	59	61	63	53	57	55	57	57	51	54	54	51	48	50	50	55	59	60	54	53	54	52	57	58	59	60	68	63	56.0
Gerlach	Maximum	85	94	94	94	94	93	95	94	97	96	95	94	94	95	95	93	93	95	98	98	98	93	93	91	93	96	97	101	102	102	95	95.1
	Minimum	52	55	53	47	49	56	50	51	50	60	50	56	61	57	59	54	62	53	48	43	43	51	57	62	57	55	56	53	52	61	61	54.0
Jean	Maximum	102	104	105	104	103	102	104	106	103	102	107	104	103	105	106	107	105	109	108	110	108	105	102	98	102	102	100	102	106	102	100	104.1
	Minimum	58	59	64	67	62	64	62	64	54	63	60	58	59	57	59	75	76	50	54	60	64	60	64	58	55	57	64	60	65	62	58	61.0
McDermit	Maximum	82	90	89	90	91	91	88	89	94	94	93	91	94	92	86	91	91	92	94	92	89	87	86	89	81	91	95	96	97	94	90	90.6
	Minimum	46	55	51	52	49	53	50	50	56	55	54	52	58	50	50	54	55	55	60	54	50	51	56	51	52	53	58	58	59	55	52	53.4
McGill	Maximum	82	89	91	89	90	90	90	92	95	92	94	93	88	88	88	86	90	93	95	97	95	89	89	90	89	89	93	94	95	94	84	90.7
	Minimum	45	50	65	59	60	59	53	53	53	54	61	50	59	58	57	56	58	49	54	56	54	55	53	51	48	53	58	54	55	60	58	55.1
Millett	Maximum	84	88	90	90	90	89	90	91	92	91	88	90	87	86	85	86	88	92	93	94	90	90	88	80	87	88	90	95	95	90	87	89.2
	Minimum	42	42	43	46	50	50	42	42	41	44	43	41	40	38	40	40	42	37	39	40	40	58	43	47	41	41	53	46	47	50	60	44.1
Oasis Ranch	Maximum	94	94	94	93	93	94	94	94	93	93	93	93	87	89	87	88	89	89	93	94	90	97	99	90	91	88	89	90	91	91	88	91.7
	Minimum	50	47	52	51	50	58	45	49	49	50	45	47	50	52	50	46	46	45	47	50	49	54	55	53	49	49	57	54	55	56	60	50.6
Quinn River Ranch	Maximum	86	94	91	92	92	91	89	92	97	95	94	94	98	96	97	94	94	94	99	98	95	95	90	72	94	97	102	102	104	98	94	94.2
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	45	53	45	44	42	52	45	....	....	....	....
Rebel Creek	Maximum	83	91	92	92	92	93	89	91	96	95	93	92	94	94	91	93	93	93	96	94	91	90	84	85	89	93	96	99	98	96	91	92.2
	Minimum	46	53	56	58	51	52	53	48	52	51	63	55	50	62	57	55	52	52	53	52	56	53	60	53	52	54	54	59	63	61	66	55.0
Rhyolite	Maximum	97	98	100	100	102	97	98	101	101	103	101	97	100	97	97	95	99	100	106	107	105	99	99	100	95	96	95	104	103	97	100	99.6
	Minimum	76	66	70	71	76	69	65	65	67	67	68	69	62	65	62	60	65	65	67	68	69	66	67	64	60	65	67	68	72	68	72	67.1
Sand Pass	Maximum	....	....	....	....	....	....	....	....	....	....	96	96	94	98	96	94	95	99	100	100	97	95	96	95	96	98	100	103	105	98	95	97.4
	Minimum	58	56	61	48	52	52	51	51	56	58	58	58	64	64	50	60	60	54	56	60	60	58	68	62	64	64	67	59	62	68	66	58.9
Searchlight	Maximum	94	97	97	97	92	90	97	99	101	102	101	100	96	91	93	93	97	100	102	104	99	95	93	95	93	91	85	96	97	90	91	95.7
	Minimum	69	74	72	75	74	68	74	70	71	76	71	73	68	65	65	67	72	78	75	74	76	71	66	67	67	70	62	67	70	70	70	70.5
Sharp	Maximum	81	90	93	91	91	89	90	93	93	93	92	91	90	86	85	84	90	89	90	92	95	93	85	87	87	87	88	91	94	92	88	89.7
	Minimum	52	51	50	51	52	53	52	53	52	53	52	51	51	49	47	51	51	55	54	55	53	49	50	50	51	51	51	51	52	61	55	51.9
Sulphur	Maximum	88	90	94	95	95	93	90	95	99	98	93	94	94	95	96	93	95	97	95	95	94	94	92	92	94	98	98	98	102	104	100	95.2
	Minimum	48	50	51	52	51	58	51	50	50	56	58	58	61	58	55	54	59	53	54	54	53	52	55	54	51	52	54	58	55	58	58	54.3
Tonopah	Maximum	80	85	86	86	86	84	86	88	88	88	87	87	82	80	79	81	84	88	90	90	88	85	82	82	83	84	85	91	92	89	82	85.4
	Minimum	56	61	65	63	66	64	62	64	65	64	61	64	60	60	58	58	61	63	67	69	68	65	61	60	59	62	58	65	70	72	63	63.0

a, b, c, etc., indicates respectively 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
No Rain
No Rain
No Rain
No Rain

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

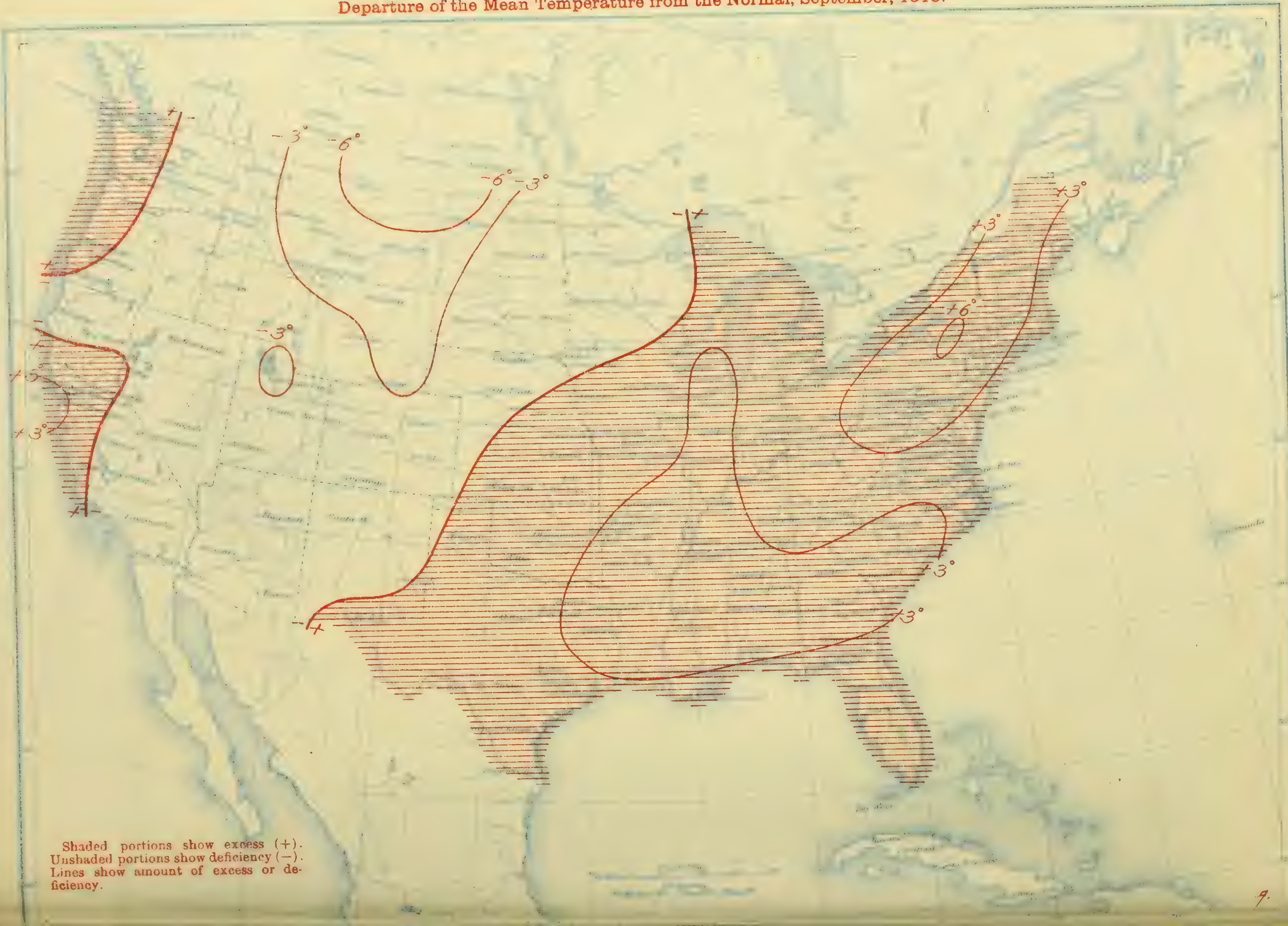
NEVADA SECTION

SEPTEMBER, 1915

BY
HENRY F. ALCIATORE
SECTION DIRECTOR

RENO, NEV.
WEATHER BUREAU OFFICE
OCTOBER 21, 1915.

Departure of the Mean Temperature from the Normal, September, 1915.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALCIATORE, Section Director.

Vol. XXX. Reno, Nevada, September, 1915. No. 9.

GENERAL SUMMARY.

The month was generally fair and pleasant, with a mean temperature only slightly below the normal, and an unusually large number (22) of bright, sunny days. As compared with the average there was a slight excess of temperature at a few places in the western and northeastern districts, while over the rest of the State the temperature was generally deficient. The highest and lowest temperatures recorded (104 and 19) were within the limits of previous years.

At most of the stations north of a parallel of latitude passing through Tonopah killing frosts occurred on one or more dates between the 10th and 15th; at Lida, Esmeralda County, the first killing frost did not occur until the 25th; no frost was reported in the extreme southern district.

Scattered rains fell over large areas on two or three days in each decade, and on the 12th-13th there was a light fall of snow in the elevated portions of Lander, Eureka, Elko, and White Pine counties; at Jack Creek the depth of snow was 2 inches. As usual, the heaviest rainfall was reported in the northern counties. At Marlette Lake and Sharp there was no rainfall whatever, and at Imlay, Millett, and Gardnerville only a trace. Of the 25 reporting stations for which ten-year normals are available, 56 per cent. showed excesses ranging from 0.02 inch to 1.07 inches, the average for the State being 0.20 inch above the normal, and 0.03 inch greater than that of September, 1914.

On the whole the weather has been favorable for harvesting operations, but too dry for the ranges, most of which are in poor condition. Cattle and sheep were in fair condition at the close of the month. Apples were ripening fast but the crop will probably be smaller than last year. Water for irrigation and municipal purposes was plentiful in the Truckee-Carson district but scarce in other sections.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 37 stations, was 60.7°. The mean for the 23 stations having ten or more years record was 0.8° below the normal. The highest recorded was 104°, at Logan on the 22d. The lowest was 19°, at Potts on the 14th and 29th. The greatest daily range was 65° at Battle Mountain on the 18th. The highest monthly mean was 76.0°, at Logan. The lowest monthly mean was 46.8°, at Gold Creek.

PRECIPITATION.

The average for 44 stations reporting was 0.48 inch. For the 24 stations having ten or more years record, the mean was 0.20 inch above the normal. The average amount at 2 stations in the Columbia Basin was 1.40 inches; at 14 stations in the Humboldt Basin, 0.73 inch; at 9 stations in the Truckee Basin, 0.17 inch; at 5 stations in the Carson Basin, 0.19 inch; at 4 stations in the Walker Basin, 0.62 inch; at 2 stations in the Colorado Basin, 0.44 inch; at 18 stations in the minor basins, 0.27 inch. The greatest monthly fall was 2.40 inches at Jack Creek; while there was none at 2 stations. The average number of days with precipitation was 2.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric Pressure (sea level).			Mean relative humidity.		Wind.			
							Maximum velocity.		
	Mean.	Highest.	Lowest.	[illegible]	[illegible]	Average hourly velocity.	Miles per hour.	[illegible]	[illegible]
Reno	29.87	30.19	29.56	58	24	[illegible]	[illegible]	[illegible]	[illegible]
Winnemucca	29.92	30.23	29.46	62	24	[illegible]	[illegible]	[illegible]	1
Tonopah	29.86	30.12	29.34	47	27	[illegible]	[illegible]	nw	[illegible]

SUNSHINE AND CLOUDINESS.

At Reno 86 per cent of the possible sunshine was recorded; at Winnemucca, 88 per cent; at Tonopah, 82 per cent. For the State, the average number of clear days was 22; partly cloudy, 5; cloudy, 3.

MISCELLANEOUS PHENOMENA.

(Dates of)

Thunderstorms.—1, 2, 3, 4, 12, 24, 25, 26.

Brisk Winds.—1, 10, 21, 23, 24, 25, 27, 28.

Sleet.—12, 13, 24.

Hail.—Metropolis, 13; Searchlight, 25.

COMPARATIVE DATA FOR AUGUST.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	61.7	110	13	0.16	0	1	22	4	4	sw
1890	64.2	110	18	0.81	0	3	17	6	7	s
1891	58.9	98	5	0.94	0.2	5	15	7	8	sw
1892	62.8	109	15	0.09	0	1	20	5	5	sw
1893	57.5	99	16	0.51	T.	3	16	7	7	sw
1894	58.8	96	10	0.35	0.6	2	21	4	5	w
1895	59.9	106	0	0.27	0.3	1	20	4	3	w
1896	58.3	102	15	0.35	T.	2	17	7	6	sw
1897	60.4	105	21	0.16	0	1	18	7	5	w
1898	61.1	97	18	0.20	T.	1	22	4	4	w
1899	63.0	98	24	0.05	0	0	24	3	3	w
1900	56.1	99	17	0.30	0.4	2	19	5	6	sw
1901	56.2	95	20	0.39	2.2	2	21	5	4	sw
1902	61.7	113	10	0.21	0.2	2	19	5	6	sw
1903	60.2	114	17	0.18	T.	1	22	5	3	sw
1904	60.4	103	19	0.93	0.1	4	17	5	8	s
1905	61.1	103	19	0.51	0.7	1	19	5	6	sw
1906	60.2	103	18	0.30	T.	2	20	6	4	w
1907	59.9	108	12	0.35	0.4	2	20	6	4	s
1908	59.8	108	6	0.82	0	3	17	7	6	w
1909	60.8	100	16	0.73	0	3	16	8	6	w
1910	61.5	108	20	0.73	0	2	21	4	5	w
1911	57.5	107	10	0.35	0	1	19	6	5	w
1912	56.6	98	8	0.36	0.4	2	20	5	5	w
1913	61.4	107	10	0.46	T.	1	21	6	3	w
1914	58.9	103	17	0.45	0.3	2	19	7	4	sw
1915	60.7	104	19	0.48	0.1	2	22	5	3	w
Entire period	60.2	114	0	0.42	0.2	2	19	6	5	w

CORRECTIONS.

July, 1915.—Page 52, Carlin, mean temperature should be 66.7; departure −4.8; date of highest temperature, 23. Clover Valley, highest temperature should be 91. Page 54, Carlin, first maximum temperature should be omitted and the last should be 89; mean maximum, 88.6.

August, 1915.—Page 60, Columbia, mean temperature should be 73.7. Page 59, pressure table, Winnemucca, highest pressure should be 30.20.

LATE REPORTS.

August, 1915.—Vya, total precipitation, 0.44; days with rain, 5; clear, 21; partly cloudy, 6; cloudy, 4.

Lida, (9 days missing from temperature record) mean temperature, 69.8; highest, 92 degrees on 18th, 19th, 27th and 29th; lowest, 44 on the 15th; total precipitation, 0.32 inch; days with precipitation, 1.

Climatological data for September, 1915.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days				Prevailing direction of the wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted.)	With precipitation (0.01 inch or more.)	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek	Elko	6,600	2	46.8	.....	74	21	21	14	42	2	0.39	.....	0.26	T.	4	20	7	3	w	Forest Supervisor.
Jack Creek**	do	6,300	.	...	.....	....	....	....	....	....	2	2.40	.....	1.19	2.0	5	22	4	4	w	C. E. Butler.
Owyhee	do	5,400	4	...	.....	....	....	....	....	....	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	Indian Service.
San Jacinto††	do	5,200	10	51.4	2.8	82	6	19	15	51	10	.....	.....	.....	.....	.....	23	6	1	n	J. S. Parmley.
Humboldt Basin.																					
Arthur	Elko	6,500	..	...	.....	....	....	....	....	..	5	1.35	+0.63	0.70	1.0	4	25	5	0	.....	Isaac Woodhouse.
Austin	Lander	6,591	26	57.0	−2.1	83	20	29	13	40	26	0.81	+0.33	0.68	0.2	3	30	0	0	.....	Forest Service.
Battle Mountain	do	4,513	44	61.8	−0.3	97	20	28	14	65	46	.....	.....	.....	.....	.....	26	1	3	.....	Southern Pacific Co.
Beowawe	Eureka	4,695	44	58.2	−3.6	90	†22	25	13	59	46	.....	.....	.....	.....	.....	26	4	0	s	Do.
Carlin	Elko	4,896	44	60.5	−2.8	90	†21	32	30	51	44	0.11	−0.13	0.10	0	2	23	1	6	.....	Western Pacific Co.
Clover Valley**	do	6,000	14	...	.....	.....	....	.....	....	....	22	.....	.....	.....	.....	.....	...	..	.....	.....	I. F. Wiseman.
Dry Farm**	do	5,600	3	...	.....	.....	....	.....	....	....	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	Walfrid Sohlman.
Elko	do	5,063	44	54.1	2.8	84	6	21	†14	52	45	0.93	+0.65	0.43	0	3	22	3	5	w	Western Pacific Co.
Eureka	Eureka	6,837	17	58.4	2.9	86	20	23	11	44	19	0.10	−0.58	0.10	T.	1	18	8	4	n	Clay Simms.
Golconda	Humboldt	4,392	36	57.8	−1.9	85	21	25	13	48	38	0.55	+0.25	0.55	0	1	23	4	3	.....	Southern Pacific Co.
Halleck	Elko	5,229	22	.....	.....	.....	....	.....	....	....	16	.....	.....	.....	.....	.....	.....	.....	.....	.....	Do.
Hylton	do	7,081	...	.....	.....	.....	....	.....	....	....	5	0.69	.....	0.35	0	3	21	9	0	.....	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	2	57.8	3.4	87	20	26	12	47	2	T.	−0.22	T.	0	0	22	5	3	nw	Southern Pacific Co.
Lovelocks	do	3,977	21	.....	.....	.....	....	.....	....	....	19	.....	.....	.....	.....	.....	.....	.....	.....	.....	High School.
Metropolis §	Elko	5,663	2	.....	.....	.....	....	.....	....	....	6	1.26	+1.07	0.70	0	2	.....	.....	.....	.....	Geo. Hofmeister.
North Fork	do	6,500	..	.....	.....	.....	....	.....	....	..	6	1.68	.....	0.90	T.	4	9	9	12	w	Chas. Pratt.
Paradise Valley	Humboldt	4,500	2	55.2	.....	87	†18	21	11	56	6	0.76	.....	0.69	0	3	21	3	6	sw	R. M. Taylor.
Potts	Nye	6,002	22	52.6	−2.8	82	19	19	†14	58	24	0.02	−0.28	0.02	T.	1	9	11	10	s	Miss Maud Potts.
Shafter §	Elko	5,583	2	.....	.....	.....	....	.....	....	....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	Geo. Kernan.
Tecoma	do	4,812	37	56.8	2.4	95	1	22	14	52	39	1.06	+0.68	0.43	0	3	14	13	3	.....	Southern Pacific Co.
Wells	do	5,631	43	.....	.....	.....	....	.....	....	....	46	.....	.....	.....	.....	.....	.....	.....	.....	.....	Do.
Winnemucca	Humboldt	4,344	36	57.1	−3.4	89	20	22	14	51	46	0.94	+0.60	0.87	0	3	21	6	3	ne	U. S. Weather Bureau.
Truckee Basin.																					
Fernley	Lyon	4,150	42	64.8	+2.1	92	19	32	13	98	46	0.43	+0.25	0.25	0	2	23	3	4	.....	Mrs. G. A. Steele.
Glenbrook	Douglas	6,240	6	.....	.....	.....	....	.....	....	....	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. C. Henningsen.
Lewers Ranch**††	Washoe	5,500	27	59.2	−1.1	86	1	30	14	45	28	0.17	−0.50	0.10	0	2	14	9	7	.....	Ross Lewers.
Marlette Lake**	do	7,900	....	.....	.....	.....	....	.....	....	....	2	0.00	.....	0.00	0	0	23	1	6	w	V. & G. H. Water Co.
Reno	do	4,532	28	60.8	+1.1	89	19	33	14	45	28	0.06	−0.21	0.03	0	3	24	3	3	w	U. S. Weather Bureau.
Bijou, Cal.		6,230	....	.....	.....	.....	....	.....	....	....	6	0.18	.....	0.11	0	3	16	9	5	n	Chas. Young.
Fallen Leaf, Cal.		6,400	3	55.5	.....	78	†19	30	13	35	3	0.23	.....	0.15	0	2	25	3	2	n	W. W. Price.
Hobart Mills, Cal.		5,900	....	.....	.....	.....	....	.....	....	....	6	0.12	.....	0.07	0	2	25	2	3	s	S. E. Patterson.
McKinney, Cal.		6,225	6	.....	.....	.....	....	.....	....	....	6	0.22	.....	0.18	0	2	25	2	3	sw	Fred Jensen.
Tahoe, Cal.		6,240	7	51.8	.....	77	†18	23	27	42	7	0.16	.....	0.11	0	2	24	5	1	.....	Mrs. Northrup A. Pomin.
Tallac, Cal.		6,230	....	.....	.....	.....	....	.....	....	....	6	0.14	.....	0.07	0	2	20	8	2	w	Willis D. Sloan.
Carson Basin.																					
Fallon	Churchill	3,965	21	60.8	−0.1	89	†6	30	14	49	21	0.41	+0.22	0.24	0	3	26	1	3	nw	U.S. Experiment Station.
Gardnerville	Douglas	4,830	24	h57.0	−3.7	g83	†10	h27	11	h45	25	T.	−0.23	T.	0	0	...	...	...	w	Forest Service.
Lahontan	Churchill	4,200	3	65.0	.....	91	19	38	13	37	5	0.30	.....	0.26	0	2	25	2	3	w	U.S. Reclamat'n Service.
Markleeville, Cal.		5,525	....	.....	.....	.....	....	.....	....	....	6	0.18	.....	0.17	0	2	22	6	2	s	Mrs. Mary Thornburg.
Woodfords, Cal.		5,634	....	.....	.....	.....	....	.....	....	....	6	0.08	.....	0.08	0	1	22	7	1	sw	Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	8	63.5	−2.6	91	21	34	14	48	19	0.40	+0.09	0.20	0	2	26	1	3	.....	Southern Pacific Co.
Smith	Lyon	4,800	....	.....	.....	.....	....	.....	....	....	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. M. Carter.
Thorne §	Mineral	4,200	2	63.4	−2.2	90	†6	33	14	45	2	0.81	+0.60	0.43	0	2	19	9	2	w	Southern Pacific Co.
Yerington §	Lyon	4,375	6	.....	.....	.....	....	.....	....	....	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	High School.
Bridgeport, Cal.		6,500	2	50.7	.....	80	†6	16	12	53	4	0.62	.....	0.30	0	4	19	5	6	w	A. F. Scott.
Shields Ranch, Cal.**		5,300	....	.....	.....	.....	....	.....	....	....	6	0.67	.....	0.38	0	3	17	9	4	.....	Frank W. Chichester.
Colorado Basin.																					
Caliente §	Lincoln	4,407	5	.....	.....	.....	....	.....	....	....	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	Salt Lake Route.
Indian Springs §**	Clark	3,136	2	.....	.....	.....	....	.....	....	....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	Ira McFarland.
Las Vegas	do	2,033	13	74.2	+2.0	103	†21	44	26	47	13	0.10	−0.23	0.10	0	1	26	2	2	s	C. P. Squires.
Logan §	do	1,355	8	76.0	−1.0	104	22	45	†25	49	16	0.77	+0.32	0.77	0	1	20	9	1	.....	Experiment Farm.
Minor Basins.																					
Belmont	Nye	8,132	15	.....	.....	.....	....	.....	....	....	15	.....	.....	.....	.....	.....	.....	.....	.....	.....	Lloyd G. Nelson.
Cherry Creek	White Pine	6,450	7	57.2	.....	85	†1	24	†12	42	7	0.49	.....	0.25	T.	5	16	13	1	w	J. H. Leishman.
Columbia**	Esmeralda	5,700	8	62.6	.....	88	†8	33	14	39	10	0.81	.....	0.74	0	4	22	5	3	nw	A. Booth.
Duck Flat	Washoe	4,725	....	.....	.....	.....	....	.....	....	....	1	0.03	.....	0.03	0	1	....	....	....	w	H. J. Muller.
Gerlach	do	3,931	3	d60.9	.....	d90	†1	d24	14	50	3	0.30	.....	0.30	0	1	....	....	....	w	Western Pacific Co.
Jean	Clark	2,864	7	.....	.....	.....	....	.....	....	....	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	Salt Lake Route.
Jungo	Humboldt	4,165	....	.....	.....	.....	....	.....	....	..	2	0.86	.....	0.86	0	1	21	4	5	sw	Western Pacific Co.
Lida §	Esmeralda	6,037	3	i60.8	4.2	i87	17	i32	26	i41	3	0.14	−0.23	0.14	0	1	...	...	...	nw	L. F. Detwiler.
McDermitt	Humboldt	4,700	25	57.2	3.8	85	†18	29	†13	45	25	0.36	+0.02	0.36	0	1	24	4	2	n	U. S. Indian Service.
McGill §	White Pine	6,338	5	60.2	+1.7	87	22	27	14	45	5	0.17	−0.48	0.12	0	3	21	5	4	n	R. E. Middagh.
Millett	Nye	5,040	7	56.0	.....	86	22	25	15	51	8	T.	.....	T.	0	0	20	6	4	.....	Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	3	62.2	+2.9	89	22	33	15	49	3	0.04	−0.33	0.04	0	2	23	0	7	.....	Arthur L. Stewart.
Pahrump**	Nye	2,608	2	.....	.....	.....	....	.....	....	....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	F. A. Buol.
Pyramid (near)**	Washoe	.....	.....	.....	.....	.....	....	.....	....	....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	F. O. Norton.
Quinn Riv. Ranch**	Humboldt	4,850	13	...	.....	90	18	.....	....	...	14	0.42	+0.08	0.35	0	2	...	.....	.....	sw	F. M. Payne.
Rebel Creek	do	4,300	3	59.2	.....	88	†18	28	14	43	4	0.43	.....	0.32	0	4	.....	.....	.....	sw	Fred Whitaker.
Rhyolite	Nye	3,680	2	72.3	.....	97	7	45	25	34	2	0.35	.....	0.20	0	4	20	6	4	s	Secretary School Board.
Sand Pass	Washoe	4,198	2	63.8	.....	90	†9	30	14	45	2	0.07	.....	0.07	0	1	26	0	4	.....	R. R. Mott.
Searchlight	Clark	3,445	2	72.9	.....	94	†22	47	25	27	2	0.09	.....	0.06	0	2	16	8	6	s	C. L. Aug. Mahn.
Sharp	Nye	6,200	2	59.8	.....	86	1	30	29	44	2	0.00	.....	0.00	0	0	23	6	1	w	F. A. Sears.
Sulphur	Humboldt	4,044	2	62.0	.....	95	†1	26	14	48	2	.....	.....	.....	.....	.....	27	2	1	.....	Western Pacific Co.
Tonopah	Nye	6,090	10	61.0	.....	82	22	33	14	27	10	0.27	.....	0.24	0	2	21	6	3	w	U. S. Weather Bureau.
Vya	Washoe	5,500	2	.....	.....	.....	....	.....	....	....	2	0.10	.....	0.09	0	2	28	0	2	nw	W. N. Lord.
For the State				60.7	0.8	104	22	19	†14	65	....	0.48	+0.20	1.19	0.1	2	22	5	3	w	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post office addresses of these stations are as follows: Of Jack Creek, Tuscarora; of Clover Valley, Wells; of Dry Farm, Lamoille; of Lewers Ranch, Franktown; of Marlette Lake, Virginia City; of Shield's Ranch, Coleville, Cal.; of Indian Springs, Las Vegas; of Columbia, Goldfield; of Duck Flat, Gerlach; of Oasis Ranch, Oasis, Cal.; of Pahrump, Shoshone, via Tecopa, Cal.; of Pyramid (near), Reno; of Quinn River Ranch, Amos.

Reference letters a, b, c appearing in the table indicate number of days missing, for example, b represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Indicates trace, less than 0.01 inch rain or melted snow.

Daily precipitation for September, 1915.

Stations	Day of month																														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia Basin.																																
Gold Creek	.26											.02													[illegible]	[illegible]						[illegible]
Jack Creek	.20	.20	T									T	.21											[illegible]	[illegible]	[illegible]						[illegible]
Owyhee																																
San Jacinto																																
Humboldt Basin.																																
Arthur	.10												.05												[illegible]	.70						[illegible]
Austin ‖	.68									.11		.02																				[illegible]
Battle Mountain ‖																																
Beowawe ‖																																
Carlin																																
Clover Valley																								.01	.10							0.11
Dry Farm																																
Elko	.15																								.43	[illegible]						0.93
Eureka	.10												T																			0.10
Golconda												T.													.55							0.55
Halleck																																
Hylton	.35										.17															.17						0.69
Imlay	T											T												T								T
Lovelocks																																
Metropolis	T.	T.											T																			
North Fork	.40																							.70	.56							[illegible]
Paradise Valley	.03		T									.04	.08												.90	.30						[illegible]
Potts	T.	.02										T.													.69	T						[illegible]
Shafter																																0.02
Tecoma	.28																															
Wells																									.35	.43						1.06
Winnemucca***	.01		T.									.06	T.												.87							0.94
Truckee Basin.																																
Fernley																																
Glenbrook																								.25	.18							0.43
Lewers Ranch		.10											T.											.07								0.17
Marlette Lake ‖																																0.00
Reno ***	.03												T.											.02	.01							0.06
Bijou, Cal.	T.												.04											.11	.03							0.18
Fallen Leaf, Cal.	.15												T.											T	.08							0.23
Hobart Mills, Cal.													T.	.07										.05								0.12
McKinney, Cal.	.18												.04											T.	T.							0.22
Tahoe, Cal.	.11												.05											T.	T.							0.16
Tallac, Cal.	.07												T.											.07	T.							0.14
Carson Basin.																																
Fallon	.05																															
Gardnerville																								.24	.12							0.11
Lahontan ‖																								T.	T.							T
Markleeville, Cal.																								.26	.04							0.30
Woodfords, Cal.													.01											.17	T.							0.18
																								.08								0.08
Walker Basin.																																
Mina																																
Smith																									.20	.20						0.40
Thorne	T.					T.							T.																			
Yerington																								.43	.38							0.81
Bridgeport, Cal.	.02													.05										.25	.30							0.62
Shields Ranch, Cal.													T.	.08										.38	.21							0.67
Colorado Basin.																																
Caliente																																
Indian Springs																																
Las Vegas	T.	.10	T.																						T.							0.10
Logan			.77																													0.77
Minor Basins.																																
Belmont																																
Cherry Creek	T.	.10	.04							.25		.01													.09							0.49
Columbia	.03																							.13	.61	.04						0.81
Duck Flat											T.														.03							0.03
Gerlach											T.														.30							0.30
Jean																																
Jungo																																
Lida																									.86							0.86
McDermit																									.14							0.14
McGill											T.	.36														T.						0.36
Millett	.03	.02	.12																								T.					0.17
Oasis Ranch	T.											T.																				T
Pahrump																									.04							0.04
Pyramid																																
Quinn River Ranch	.05																															
Rebel Creek											.35														.07							0.42
Rhyolite		T.	.05								.05	.01													.32							0.43
Sand Pass	T.									T.														.08	.02							0.35
																									.07							0.07
Searchlight		.03	.06																													
Sharp																									T.							0.09
Sulphur																																0.00
Tonopah***	T.																							.24	.03							0.27
Vya										.09	.01																					0.10

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau stations; precipitation is for the 24 hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

T Trace, or less than 0.01 inch. Incomplete.

Daily temperatures for September, 1915.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek	Maximum..	64	63	62	63	70	68	65	65	64	59	58	45	40	52	61	69	72	[illegible]	72	72	74	71	67	56	50	53	49	41	57	65	....	61.7
	Minimum..	34	33	34	35	38	35	34	34	35	30	30	29	24	21	23	27	31	32	32	34	38	35	39	30	30	39	38	27	28	29	....	31.9
San Jacinto	Maximum..	78	73	66	67	79	82	76	72	68	78	68	65	47	55	65	73	76	79	75	69	65	67	68	70	65	63	69	68	65	69	....	69.3
	Minimum..	74	51	31	36	36	37	56	28	29	27	37	29	35	20	19	26	30	45	39	31	30	29	28	29	33	35	32	30	29	30	..	33.4
Humboldt Basin.																																	
Austin	Maximum..	68	73	67	74	80	80	78	77	80	78	68	61	49	50	69	74	78	80	81	83	81	81	81	56	56	64	65	64	68	75	....	71.6
	Minimum..	49	37	36	48	50	49	47	48	48	40	35	[illegible]	29	33	39	45	51	49	49	50	50	51	41	35	41	34	35	33	40	45	....	42.3
Battle Mountain §§	Maximum..	85	90	84	80	92	93	92	89	90	92	85	69	67	72	82	80	92	96	94	97	90	80	90	84	70	80	75	77	80	90	....	84.5
	Minimum..	56	39	38	40	46	50	45	49	44	40	29	37	29	28	30	25	39	31	39	42	45	30	30	42	45	38	43	44	36	42	....	39.0
Beowawe §§	Maximum..	80	70	72	80	86	81	85	80	85	86	73	68	55	60	72	77	83	85	89	87	88	90	88	87	90	89	88	90	86	86	....	81.1
	Minimum..	45	33	35	49	42	35	40	35	36	51	26	32	25	30	27	32	31	31	30	36	35	34	38	35	38	37	34	39	34	35	....	35.3
Clover Valley	Maximum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Carlin	Maximum..	80	81	87	85	85	84	83	82	83	80	80	80	79	79	80	81	82	84	86	88	90	90	88	86	74	76	79	80	85	80	....	82.6
	Minimum..	40	41	40	39	38	40	39	38	38	37	37	37	35	36	37	38	39	38	40	40	39	39	40	38	36	37	39	40	44	32	....	38.4
Elko	Maximum..	81	75	82	75	80	84	82	78	78	79	80	75	62	59	69	74	78	82	82	82	83	81	80	70	75	63	63	63	65	71	....	75.0
	Minimum..	46	46	32	32	35	38	38	35	32	33	29	31	31	21	21	27	28	30	32	32	33	35	36	37	42	45	35	30	27	28	....	33.2
Eureka	Maximum..	80	80	70	74	82	83	81	80	84	79	73	69	58	60	69	77	81	84	84	86	85	86	82	75	67	67	67	67	68	77	....	75.8
	Minimum..	54	48	35	36	42	51	47	43	45	51	47	34	28	23	25	37	43	46	47	45	51	47	54	45	34	36	34	37	30	36	...	41.0
Golconda	Maximum..	82	75	72	80	83	84	76	77	76	82	80	70	55	60	71	75	80	80	84	84	85	82	78	68	68	65	65	68	74	75	....	75.1
	Minimum..	50	38	40	42	52	50	42	40	42	40	32	31	25	29	38	38	37	39	44	42	44	49	52	48	44	38	38	37	38	38	....	40.6
Halleck	Maximum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Imlay	Maximum..	85	80	82	85	84	84	81	80	81	83	71	62	58	60	61	68	75	85	86	87	80	77	72	70	60	62	65	70	75	70	....	74.6
	Minimum..	65	49	47	48	47	48	47	45	34	44	44	26	31	32	34	40	40	42	45	43	40	41	45	40	38	34	38	35	36	35	...	41.1
Paradise Valley	Maximum..	80	78	74	80	86	85	78	79	78	84	76	60	55	63	73	76	82	87	86	87	84	82	78	76	60	66	68	77	70	78	....	76.2
	Minimum..	47	41	33	32	36	43	36	32	32	28	30	26	26	21	24	31	35	35	36	34	37	34	42	44	44	43	32	33	28	35	....	34.3
Potts	Maximum..	80	75	66	70	71	74	76	76	80	76	75	75	65	55	64	70	74	78	82	80	78	80	79	80	68	65	67	68	70	78	....	73.2
	Minimum..	48	45	32	29	35	40	38	34	36	37	43	24	26	19	22	25	28	34	36	34	34	36	35	38	26	36	23	24	19	20	....	31.9
Tecoma	Maximum..	95	84	75	73	75	82	90	80	80	82	80	72	65	60	74	72	80	84	85	88	90	89	85	86	70	67	62	60	64	72	....	77.4
	Minimum..	47	50	35	42	40	38	45	32	35	37	42	36	32	22	26	30	35	38	40	37	40	38	37	34	40	32	40	28	32	30	....	36.3
Wells	Maximum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Winnemucca	Maximum..	82	78	73	80	87	85	79	80	79	82	68	61	54	62	74	79	84	88	88	89	84	83	78	70	59	67	63	67	72	80	....	75.8
	Minimum..	53	48	38	36	39	47	41	38	35	41	42	28	29	22	27	33	35	37	41	39	42	38	43	48	44	46	37	41	33	32	....	38.4
Truckee Basin.																																	
Fernley	Maximum..	89	84	85	88	87	88	89	91	90	86	82	76	59	78	....	85	87	87	92	90	87	88	80	70	61	74	74	72	78	83	....	81.8
	Minimum..	52	55	42	50	52	51	54	46	50	50	48	50	32	37	....	65	60	55	49	44	41	40	48	45	48	46	58	45	35	35	....	47.7
Lewer's Ranch	Maximum..	86	77	83	80	83	84	81	85	80	68	70	64	55	65	75	81	85	85	85	82	80	83	75	59	60	69	72	70	75	76	....	75.8
	Minimum..	51	56	47	42	42	44	62	44	46	50	43	33	33	30	33	37	40	42	45	44	51	48	58	36	38	41	31	38	35	36	....	42.5
Reno	Maximum..	79	82	79	81	85	81	82	85	82	77	69	63	56	66	75	81	85	87	89	85	83	85	76	56	62	68	72	70	78	84	....	76.8
	Minimum..	61	50	45	45	48	50	49	47	48	52	47	37	42	33	35	41	44	45	49	48	45	43	53	48	48	43	35	38	36	39	....	41.8
Fallen Leaf, Cal.	Maximum..	73	75	74	71	76	75	76	74	76	64	64	59	54	58	67	70	70	76	78	77	74	76	78	57	53	61	60	61	66	70	....	68.8
	Minimum..	51	47	45	43	45	48	49	43	41	51	45	36	30	31	33	40	42	43	44	44	51	53	52	36	38	40	33	38	36	39	....	42.2
Tahoe, Cal	Maximum..	72	76	73	73	74	73	74	76	73	69	65	56	53	57	66	73	75	77	77	75	74	77	77	63	55	60	65	63	63	73	....	69.2
	Minimum..	51	42	36	40	36	38	36	36	36	34	32	24	26	30	29	32	35	36	37	37	40	43	41	32	33	25	23	31	30	32	....	34.5
Carson Basin.																																	
Fallon	Maximum..	83	82	76	82	87	89	84	82	87	86	75	71	60	64	73	81	86	89	88	89	89	89	85	73	61	75	68	71	74	80	....	79.3
	Minimum..	54	53	44	43	45	49	48	44	43	44	51	35	44	30	33	37	38	40	45	44	41	42	49	46	40	41	36	41	35	35	....	42.3
Gardnerville	Maximum..	79	79	77	....	....	....	80	80	80	76	71	....	....	....	71	76	79	81	83	82	81	83	79	68	55	....	70	68	72	76	....	75.9
	Minimum..	51	45	43	....	....	....	39	39	37	46	27	....	....	....	30	34	38	....	40	40	36	40	56	40	35	....	28	32	30	33	....	38.1
Lahontan §§	Maximum..	86	84	79	83	90	89	88	86	89	82	72	54	56	62	69	84	89	90	91	90	90	90	78	58	69	70	70	74	80	82	....	79.1
	Minimum..	60	54	49	57	60	57	57	58	56	47	45	48	38	47	47	52	54	54	56	54	53	60	42	43	47	46	47	43	47	53	....	51.0
Walker Basin.																																	
Mina	Maximum..	85	85	85	82	85	85	85	87	90	86	84	71	70	65	75	82	84	87	90	90	91	90	90	75	70	65	70	70	75	80	....	81.0
	Minimum..	60	53	55	43	56	43	56	55	48	57	50	52	38	34	38	35	40	43	50	47	44	42	44	40	50	40	41	46	41	38	....	46.0
Thorne	Maximum..	83	85	80	81	85	90	85	83	87	89	80	78	70	67	72	80	84	87	86	88	88	90	87	86	61	73	68	70	72	77	....	80.4
	Minimum..	57	54	50	48	47	57	55	54	50	52	42	45	41	33	40	40	44	48	52	48	48	48	44	41	40	44	42	40	42	44	....	46.3
Yerington	Maximum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Bridgeport, Cal.	Maximum..	72	78	71	73	78	80	79	78	78	72	76	69	56	60	58	72	76	78	79	77	80	80	70	75	54	64	65	62	70	75	....	71.8
	Minimum..	37	36	35	30	30	35	35	30	30	32	33	16	18	30	20	22	30	28	30	30	32	34	45	40	33	27	18	25	23	24	...	29.6
Colorado Basin.																																	
Caliente	Maximum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Indian Springs	Maximum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Las Vegas	Maximum..	98	87	89	95	96	99	99	99	99	95	93	86	82	86	88	94	97	97	99	101	103	103	101	86	77	86	89	89	89	91	....	93.1
	Minimum..	62	62	61	60	57	58	60	58	58	57	57	54	53	59	59	51	52	54	54	56	56	60	58	58	47	44	48	49	51	45	....	55.3
Logan	Maximum..	87	86	90	87	96	98	99	100	99	95	94	93	84	86	90	95	100	99	101	102	102	104	102	90	75	83	88	91	90	92	....	93.3
	Minimum..	70	70	65	63	64	60	61	61	59	68	62	64	48	62	62	52	51	59	63	57	57	62	62	57	45	45	48	50	56	54	....	58.6
Minor Basins.																																	
Cherry Creek	Maximum..	85	77	69	72	80	84	80	78	82	75	69	61	54	56	61	70	79	82	85	82	83	84	82	74	80	59	65	60	63	72	....	73.4
	Minimum..	56	50	41	34	41	49	50	45	42	44	50	35	24	24	33	38	39	42	48	44	50	44	49	47	41	40	32	33	31	30	....	40.9
Columbia	Maximum..	87	86	79	79	84	86	86	88	85	77	79	75	66	63	71	79	82	85	86	86	87	88	85	73	60	67	70	70	72	77	....	78.6
	Minimum..	54	55	49	45	48	55	54	53	54	60	52	39	35	33	35	40	44	49	51	49	53	49	54	40	37	40	40	44	41	43	....	46.5
Gerlach	Maximum..	90	80	78	83	88	88	85	84	85	84	75	70	60	64	76	81	...	88	90	87	....	....	87	75	61	72	70	68	....	81	....	78.8
	Minimum..	51	52	45	41	44	42	49	44	43	48	47	39	49	24	29	45	....	42	45	46	....	....	37	51	45	45	37	40	....	37	....	43.0
Jean	Maximum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Lida	Maximum..	83	80	75	78	80	80	80	83	....	....	....	81	74	63	70	85	87	85	....	....	....	....	....	....	72	66	70	71	73	76	....	76.8
	Minimum..	50	51	53	46	49	48	53	51	....	....	....	46	41	36	40	44	52	47	....	....	....	....	....	....	36	32	38	42	42	42	....	44.7
McDermit	Maximum..	83	74	72	80	84	82	78	76	71	78	74	55	53	62	71	72	82	85	84	85	82	83	74	64	63	68	64	68	72	78	....	73.9
	Minimum..	53	39	38	42	48	50	33	40	39	46	33	30	29	29	35	36	45	49	46	51	44	41	42	45	39	45	32	38	40	39	....	40.5
McGill	Maximum..	85	80	69	73	84	84	84	83	85	77	77	72	58	62	69	79	82	85	86	85	86	87	83	75	66	65	71	64	69	76	....	76.7
	Minimum..	49	53	44	36	45	57	54	45	52	58	52	40	35	27	31	38	41	46	47	45	48	58	54	44	33	42	38	36	31	31	....	43.7
Millett	Maximum..	79	77	75	77	83	85	83	82	84	80	74	68	59	62	70	78	81	83	85	85	85	86	75	72	65	70	72	67	72	76	....	76.3
	Minimum..	50	44	38	38	37	40	46	36	37	37	47	28	31	30	25	27	31	33	35	35	39	35	37	50	35	35	26	36	25	25	....	35.6
Oasis Ranch	Maximum..	82	82	77	77	82	84	82	82	82	80	86	78	79	80	80	78	79	84	84	85	84	89	86	82	83	85	80	82	75	77	....	81.5
	Minimum..	56	45	46	47	44	49	50	48	48	54	49	39	36	39	33	36	38	39	43	45	41	47	48	40	41	36	38	42	38	36	....	43.0
Quinn River Ranch	Maximum..	88	78	80	85	88	87	88	82	....	....	81	69	53	67	77	82	88	90	88	89	87	83	78	65	66	73	67	75	78	80	....	79.0
	Minimum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	32	41	55	41	46	41	52	55	45	29	30	....	....	....	....
Rebel Creek	Maximum..	83	....	80	81	85	85	79	78	79	80	73	62	52	62	68	78	84	88	87	88	84	79	75	65	65	68	65	70	74	78	....	75.7
	Minimum..	60	....	45	43	47	52	44	47	44	37	38	33	33	28	34	36	44	45	47	46	52	43	53	46	44	47	38	38	35	37	....	42.6
Rhyolite	Maximum..	94	92	90	85	92	92	97	91	90	90	85	82	71	73	83	89	90	91	91	92	92	92	89	85	66	74	79	81	81	84	....	86.1
	Minimum..	66	66	60	58	59	60	63	65	65	68	57	52	50	49	58	57	60	62	62	66	64	66	54	52	45	46	52	55	53	54	....	58.5
Sand Pass	Maximum..	87	85	82	87	83	88	88	87	90	84	75	69	59	69	78	83	78	82	90	90	87	86	80	64	66	74	71	74	78	87	....	80.0
	Minimum..	68	51	46	49	50	55	48	48	51	51	48	41	42	30	33	45	45	47	49	48	45	64	50	49	49	46	58	45	39	42	....	47.7
Searchlight	Maximum..	88	75	80	84	88	90	89	90	90	90	85	83	75	72	72	83	89	88	87	93	91	94	94	72	69	75	80	80	80	80	....	83.5
	Minimum..	70	60	60	59	68	65	65	65	67	70	64	59	54	56	60	60	68	68	64	67	70	69	69	61	47	48	55	56	62	62	....	62.3
Sharp	Maximum..	86	80	75	76	80	84	85	84	84	74	74	72	62	61	64	72	78	82	83	84	84	85	81	72	56	71	74	74	69	75	....	76.0
	Minimum..	55	50	47	40	46	50	50	48	50	51	50	41	39	39	32	38	40	48	49	49	48	55	46	49	35	31	36	35	30	31	....	43.6
Sulphur	Maximum..	95	95	79	78	89	88	86	86	86	84	85	82	83	73	79	79	80	89	88	87	86	84	86	82	70	74	67	67	74	73	....	81.8
	Minimum..	48	48	44	44	45	44	46	43	45	44	46	42	36	26	38	39	36	41	47	51	50	49	46	47	37	40	39	34	33	34	....	42.1
Tonopah	Maximum..	80	77	71	73	78	80	79	79	80	71	71	66	53	58	65	71	76	78	79	80	80	82	78	51	57	63	63	65	67	71	....	71.4
	Minimum..	60	56	51	53	58	57	57	56	60	58	50	43	36	33	39	50	54	58	60	58	61	61	51	37	37	39	43	45	46	49	....	50.5

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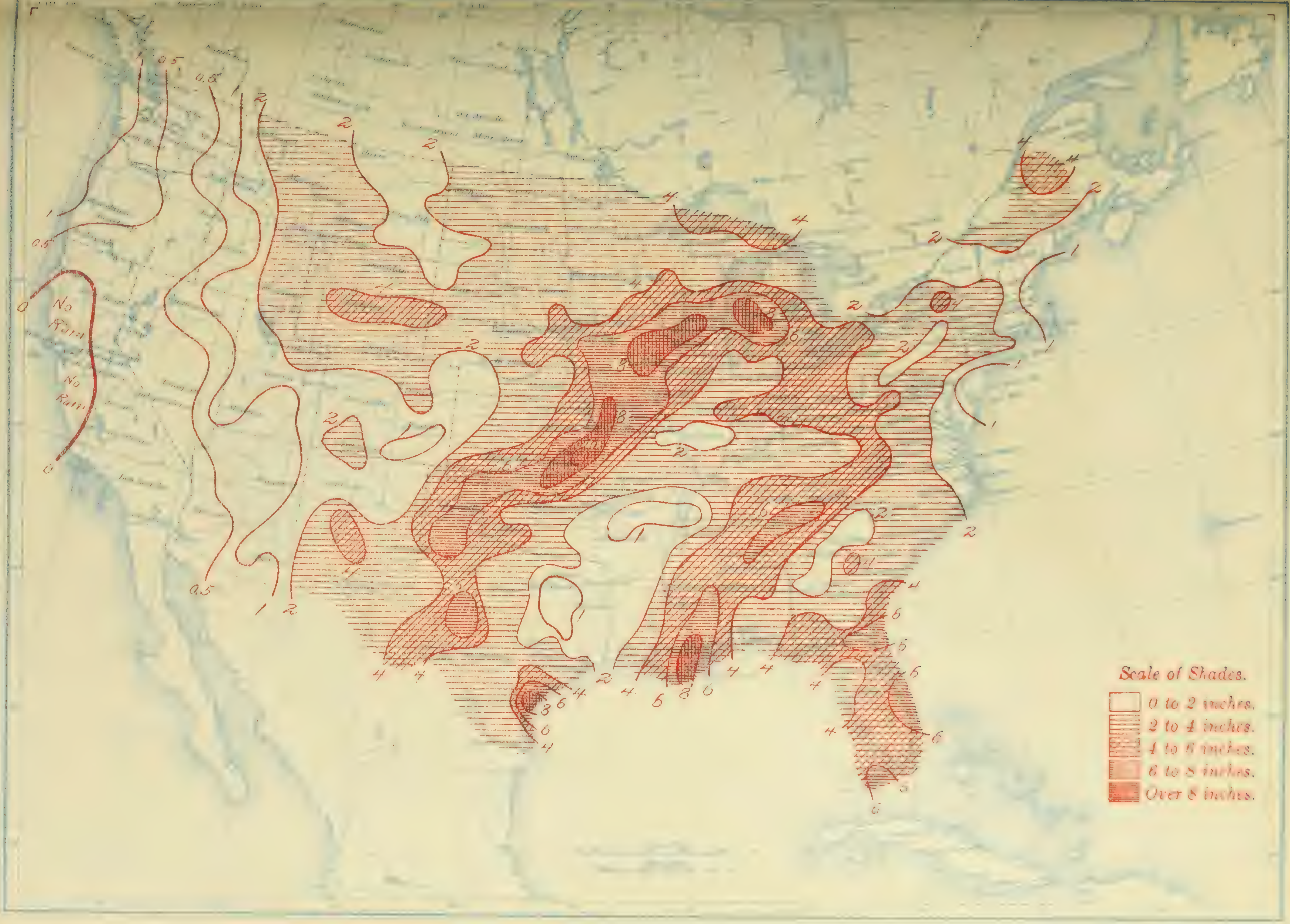
a, b, c, etc., indicates respectively 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
No Rain
No Rain
0
0.5
1
2
4
6
8

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WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

NEVADA SECTION

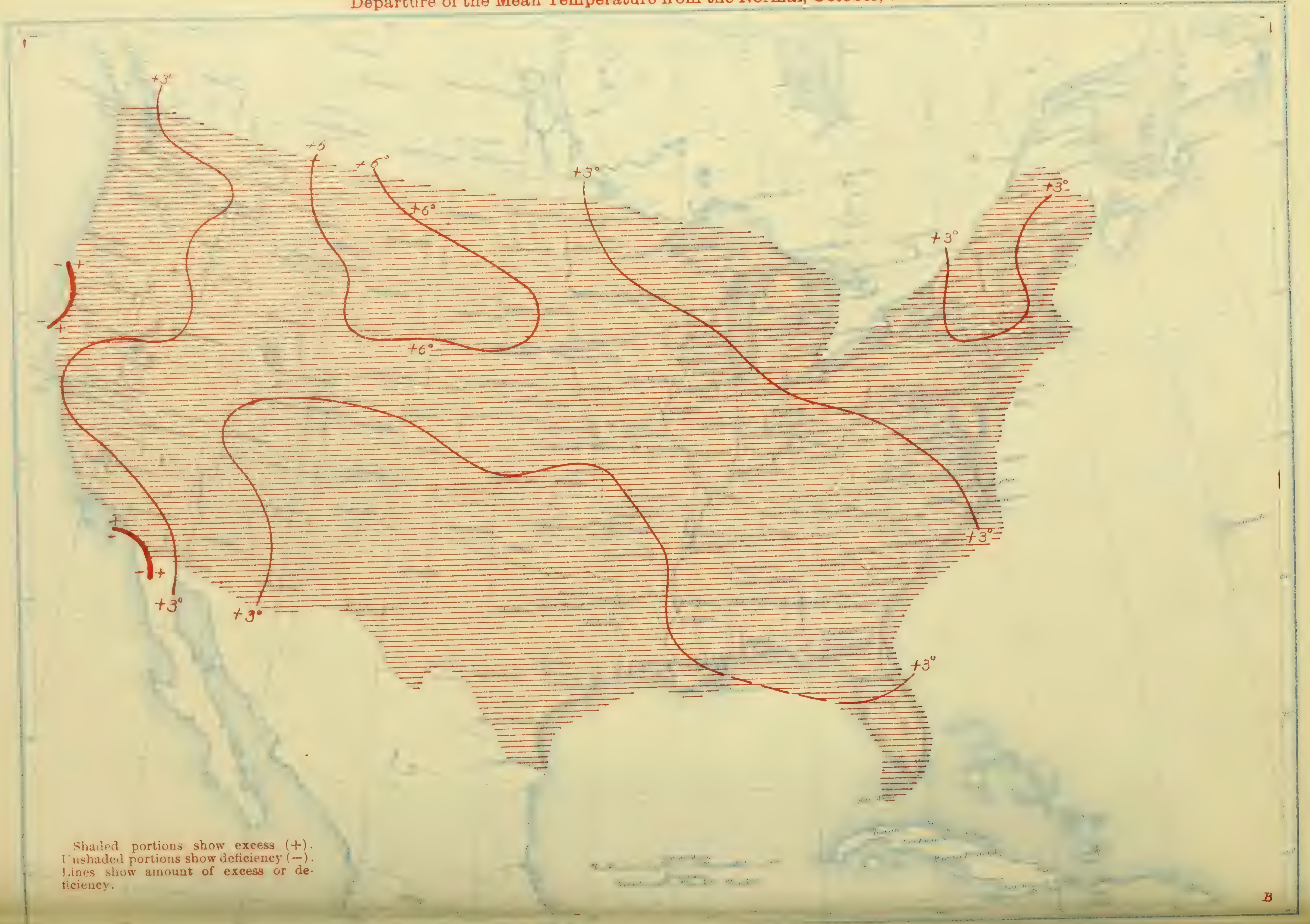
OCTOBER, 1915

BY
HENRY F. ALCIATORE
SECTION DIRECTOR

DEC 1 1915

RENO, NEV.
WEATHER BUREAU OFFICE
NOVEMBER, 24, 1915.

Departure of the Mean Temperature from the Normal, October, 1915.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

B

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALCIATORE, Section Director.

Vol. XXX. Reno, Nevada, October, 1915. No. 10.

GENERAL SUMMARY.

The month was unusually warm, with a very large percentage of sunshine and a small rainfall. Since the organization of the service, in 1889, there has been but one October that was warmer, namely, in 1907, when the mean temperature was 54.2. The highest and lowest temperatures, however, have not been at all remarkable. As compared with the normal, temperature excesses were noted at 27 out of 30 stations. At many places the warmest weather occurred on the 1st, 7th, or 8th, while the lowest temperatures were those recorded on the 11th and 12th.

This has been the dryest October in a continuous record of 27 years. Only 8 stations out of a total of 57 from which reports were received reported precipitation, the monthly falls ranging from .02 to .19 inch, and these are all located in the northern half of the State. The average rainfall was considerably less than that of the same month last year, and only two per cent. of the normal.

About 84 per cent. of the days were clear, a record that has not been equalled since 1889. On the whole the weather was quite favorable for completing the harvests; the ranges, however, owing to the drought, were in a poorer condition than ever before at this time of year.

EARTHQUAKES.

A number of earthquake shocks of varying intensities, ranging from No. 1 (very faint) to No. 9 (houses wholly or partly wrecked), were felt in every county of the State on October 2d, 1915. The principal shock, i. e., that which caused damage to property, occurred between 10:53 and 10:58 p. m., Pacific time, and lasted from two or three to sixty seconds, according to locality. It was preceded by several slight tremors between 3 and 6 p. m. In some places tremors were felt at intervals throughout the night of the 2d-3d. The terms "trembling" and "rocking" were those most frequently used in the reports received. In but few cases were rumblings or other noises heard before the earthquake. It is believed by some that the center of the disturbance was in the vicinity of the town of Kennedy, Humboldt County, about 40 miles south by east of Winnemucca.

Following are some of the effects of the earthquake: Water tanks on the S. P. R. R. between Lovelocks and Carlin, and several other buildings were wholly or partly wrecked; in almost every case reported on clocks stopped running; beds and other articles of furniture rocked; windows and doors rattled; goods were thrown off the shelves in some stores; water pipes and concrete floors were broken; near Kennedy some people were thrown out of bed: cracks in the earth of one to several feet in width; some springs that had been dry began to flow after the quake, and some that had been running became dry; at Fallon, about one inch of water "slopped" out of the evaporation pan of the U. S. Reclamation Service: a number of chimneys were destroyed. So far as known there was no loss of life.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 45 stations, was 53.3°. The mean for the 30 stations having ten or more years record was 3.4° above the normal. The highest recorded was 99° at Logan, on the 8th. The lowest was 10° at Oasis Ranch on the 16th. The greatest daily range was 64° at Battle Mountain on the 16th. The highest monthly mean was 68.2°, at Searchlight. The lowest monthly mean was 42.1°, at Gold Creek.

PRECIPITATION.

The average for 57 stations reporting was 0.01 inch. For the 31 stations having ten or more years record, the mean was 0.53 inch below the normal. The average amount at 4 stations in the Columbia Basin was 0.02 inch; at 19 stations in the Humboldt Basin, 0.01 inch; at 11 stations in the Truckee Basin, a trace; at 5 stations in the Carson Basin, a trace; at 5 stations in the Walker Basin, zero; at 4 stations in the Colorado Basin, zero; at 19 stations in the minor basins, 0.01 inch. The greatest monthly fall was 0.19 inch at Duck Flat; at 40 stations no precipitation occurred. The average number of days with precipitation was zero.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric Pressure (sea level)			Mean relative humidity		Wind.			
							Maximum velocity		
	Mean.	Highest.	Lowest.	5 a. m.	5 p. m.	Average hourly velocity	Miles per hour	Direc.	Date.
Reno	30.06	30.39	29.80	54	20	5.4	32	w	9
Winnemucca	30.12	30.39	29.82	63	25	5.4	26	w	23
Tonopah	30.04	30.28	29.78	39	21	7.9	36	nw	2

SUNSHINE AND CLOUDINESS.

At Reno 94 per cent of the possible sunshine was recorded; at Winnemucca, 97 per cent; at Tonopah, 93 per cent. For the State, the average number of clear days was 26; partly cloudy, 3; cloudy, 2.

MISCELLANEOUS PHENOMENA.

(Dates of)

Brisk Winds.—2, 5, 9, 10, 22, 23, 30.

Solar Halo.—18.

COMPARATIVE DATA FOR OCTOBER.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	52.2	103	14	1.48	0.8	6	10	9	12	w
1890	50.5	92	8	0.25	1.1	2	21	6	4	nw
1891	51.2	88	0	0.04	0.3	0	22	5	4	s
1892	47.5	91	2	0.32	0.2	3	15	7	9	sw
1893	48.9	94	8	0.12	T.	1	19	6	6	sw
1894	51.7	94	5	0.33	0.0	2	22	4	5	sw
1895	49.9	100	−5	0.26	T.	2	21	6	4	w
1896	50.3	94	11	0.24	0.5	1	20	6	5	w
1897	47.1	95	9	1.71	2.5	6	15	7	9	w
1898	45.9	86	7	0.23	0.6	2	19	5	7	w
1899	46.3	89	4	0.72	3.9	3	15	6	10	w
1900	47.7	82	4	0.80	0.9	3	15	7	9	sw
1901	50.7	90	17	1.11	0.8	5	16	6	9	sw
1902	49.8	97	13	0.26	0.7	1	20	5	6	s
1903	51.0	90	11	0.29	T.	1	23	4	4	sw
1904	47.8	91	6	1.20	0.1	4	17	6	8	n
1905	45.8	96	0	0.05	0.6	0	24	4	3	n
1906	49.9	100	1	0.10	T.	0	21	6	4	w
1907	54.2	96	13	0.98	0.1	4	16	8	7	s
1908	46.6	95	1	0.49	1.4	2	18	6	7	w
1909	50.4	89	7	0.61	0.2	3	18	7	6	w
1910	51.0	101	7	0.42	T.	3	20	5	6	w
1911	47.7	90	6	0.36	0.1	2	21	5	5	w
1912	45.8	88	0	1.34	4.0	5	17	6	8	w
1913	49.8	91	5	0.28	T.	1	21	6	4	w
1914	51.5	96	14	0.61	0.2	3	17	7	7	w
1915	53.3	99	13	0.01	T.	0	26	3	2	sw
Entire period	49.4	103	−5	0.54	0.7	2	19	6	6	w

CORRECTIONS.

September, 1915.—Page 67, heading "Comparative Data for August" should be "Comparative Data for September."

LATE REPORTS.

September, 1915.—Battle Mountain, total precipitation, T. Caliente, total precipitation, T.; clear days, 25; partly cloudy, 5; cloudy, 0. Halleck, mean temperature, 58.8°; highest, 94° on the 1st; lowest, 28° on the 3d, 21st and 26th; total precipitation, T. Owyhee, total precipitation, 1.66 inches; number of days with precipitation, 5. Pyramid (near), total precipitation, 0.03 inch; number of days with precipitation, 2; clear, 26; partly cloudy, 2; cloudy, 2. Sulphur, total precipitation, T. Wells, mean temperature, 60.2°; highest, 90° on the 19th, 20th and 28th; lowest, 34° on the 15th, 21st, 25th and 29th; total precipitation, 0.25 inch; days with precipitation, 2; clear, 24; partly cloudy, 0; cloudy, 6.

Climatological data for October, 1915.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days					Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted.)	With precipitation (0.01 inch or more.)	Clear.	Partly cloudy.	Cloudy.	Prevailing direction of the wind.	
Columbia Basin.																					
Gold Creek	Elko	6,600	2	42.1	....	71	22	16	25	41	2	0.00	....	0.00	0	0	23	5	3	w	Forest Supervisor.
Jack Creek**	do	6,300	....	....	....	....	....	....	....	....	2	0.08	....	0.08	0	1	23	7	1	w	C. E. Butler.
Owyhee	do	5,400	4	....	....	81	8	....	....	....	4	0.00	....	0.00	0	0	22	9	0	....	Indian Service.
San Jacinto	do	5,200	10	45.6	+2.0	72	3	20	22	46	10	0.00	−0.69	0.00	0	0	31	0	0	w	Utah Construction Co.
Humboldt Basin.																					
Arthur	Elko	6,500	....	....	....	....	....	....	....	....	5	0.00	−1.22	0.00	0	0	31	0	0	....	Isaac Woodhouse.
Austin	Lander	6,594	26	51.8	+3.2	80	7	21	10	41	26	0.02	−0.64	0.02	0	1	29	2	0	....	Forest Service.
Battle Mountain	do	4,513	44	^{j}57.0	+7.3	^{j}94	8	^{j}18	16	^{o}64	46	T.	−0.46	T.	0	0	28	0	3	....	Southern Pacific Co.
Beowawe	Eureka	4,695	44	....	....	....	....	15	24	....	46	0.07	−0.42	0.07	0	1	27	0	4	s	Do.
Carlin	Elko	4,896	44	....	....	....	....	^{m}25	12	....	44	0.00	−0.38	0.00	0	0	24	7	0	....	Western Pacific Co.
Clover Valley**	do	6,000	14	51.0	+3.9	82	8	20	12	50	22	0.00	−0.80	0.00	0	0	26	4	1	....	I. F. Wiseman.
Dry Farm **	do	5,600	3	....	....	....	....	....	....	....	6	....	....	....	....	....	....	....	....	....	Walfrid Sohlman.
Elko	do	5,063	44	46.8	+1.8	85	1	17	25	61	45	0.00	−0.52	0.00	0	0	29	2	0	sw	Western Pacific Co.
Eureka	Eureka	6,837	17	52.6	+3.5	83	7	18	11	47	19	0.10	−0.74	0.10	0	1	25	4	2	n	Clay Simms.
Golconda	Humboldt	4,392	36	51.4	+1.9	80	21	24	12	44	38	0.00	−0.47	0.00	0	0	29	1	1	....	Southern Pacific Co.
Halleck	Elko	5,229	22	49.0	+5.2	76	†6	22	31	48	46	0.00	−0.51	0.00	0	0	....	....	....	....	Do.
Hylton	do	7,081	....	....	....	....	....	....	....	....	5	0.00	....	0.00	0	0	29	2	0	....	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	2	52.6	+2.0	84	†7	24	21	53	2	0.00	−0.36	0.00	0	0	27	3	1	....	Southern Pacific Co.
Lovelocks	do	3,977	21	....	....	....	....	....	....	....	19	....	....	....	....	....	....	....	....	....	High School.
Metropolis §	Elko	5,661	2	....	....	....	....	....	....	....	6	0.00	−0.63	0.00	0	0	....	....	....	....	Geo. Holmeister.
North Fork	do	6,500	....	....	....	....	....	....	....	....	6	0.00	....	0.00	0	0	24	6	1	w	Chas. Pratt.
Paradise Valley	Humboldt	4,500	2	48.8	....	84	8	15	11	56	6	T.	....	T.	0	0	25	5	1	sw	R. M. Taylor.
Potts	Nye	6,002	22	44.1	−0.1	75	7	13	12	55	24	T.	−0.33	T.	0	0	22	3	6	s	Miss Maud Potts.
Shafter §	Elko	5,583	2	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	Geo. Kernan.
Tecoma	do	4,812	37	48.6	+2.6	80	9	18	26	56	39	0.00	−0.44	0.00	0	0	24	7	0	n	Southern Pacific Co.
Wells	do	5,631	43	50.6	+5.0	86	1	18	12	56	46	0.00	−0.63	0.00	0	0	28	0	3	sw	Do.
Winnemucca	Humboldt	4,344	36	50.2	+1.6	85	8	20	24	53	46	0.05	−0.47	0.05	0	1	26	4	1	ne	U. S. Weather Bureau.
Truckee Basin.																					
Fernley	Lyon	4,150	42	54.7	+4.5	87	†1	23	12	54	46	0.00	−0.29	0.00	0	0	23	2	6	....	Mrs. G. A. Steele.
Glenbrook	Douglas	6,240	6	53.9	....	80	4	29	24	48	6	0.00	....	0.00	0	0	31	0	0	w	C. C. Henningsen.
Lewers Ranch **	Washoe	5,500	27	54.4	+3.4	88	21	27	†11	53	28	0.00	−1.28	0.00	0	0	25	6	0	....	Ross Lewers.
Marlette Lake**	do	7,900	....	....	....	....	....	....	....	....	2	0.00	....	0.00	0	0	27	1	3	w	V. & G. H. Water Co.
Reno	do	4,532	28	54.8	+5.1	87	7	29	12	47	28	T.	−0.41	T.	0	0	27	3	1	w	U. S. Weather Bureau.
Bijou, Cal		6,230	....	....	....	....	....	....	....	....	6	T.	....	T.	0	0	22	8	1	n	Chas. Young.
Fallen Leaf, Cal		6,400	3	51.1	....	74	†1	29	11	34	3	0.00	....	0.00	0	0	25	5	1	n	W. W. Price.
Hobart Mills, Cal		5,900	....	....	....	....	....	....	....	....	6	0.00	....	0.00	0	0	25	4	2	s	S. E. Patterson.
McKinney, Cal		6,225	6	....	....	....	....	....	....	....	6	0.00	....	0.00	0	0	28	3	0	sw	Fred Jensen.
Tahoe, Cal		6,240	7	47.6	....	76	†7	22	11	46	7	0.00	....	0.00	0	0	25	6	0	....	Mrs. Northrup A. Pomin.
Tallac, Cal		6,230	....	....	....	....	....	....	....	....	6	T.	....	T.	0	0	26	5	0	e	Willis D. Sloan.
Carson Basin.																					
Fallon	Churchill	3,965	21	52.8	+2.1	86	†	23	12	51	21	0.00	−0.41	0.00	0	0	29	1	1	s	U.S. Experiment Station.
Gardnerville	Douglas	4,830	24	^{g}51.2	+0.5	^{g}81	21	^{g}22	16	^{g}51	25	0.00	−0.46	0.00	0	0	....	....	....	w	Forest Service.
Lahontan	Churchill	4,200	3	58.6	....	88	†8	32	10	41	5	T.	....	T.	0	0	28	2	1	w	U.S. Reclamation Service.
Markleeville, Cal		5,525	....	....	....	....	....	....	....	....	6	0.00	....	0.00	0	0	25	4	2	s	Mrs. Mary Thornburg.
Woodfords, Cal. **		5,634	....	....	....	....	....	....	....	....	6	0.00	....	0.00	0	0	25	6	0	sw	Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	8	55.6	+2.6	86	†1	27	16	50	19	0.00	−0.28	0.00	0	0	30	0	1	....	Southern Pacific Co.
Smith	Lyon	4,800	....	....	....	....	....	....	....	....	7	....	....	....	....	....	....	....	....	....	C. M. Carter.
Thorne §	Mineral	4,200	2	57.2	+3.5	85	†8	30	16	50	2	0.00	−0.23	0.00	0	0	30	1	0	....	Southern Pacific Co.
Yerington §	Lyon	4,375	6	48.7	0.0	82	†1	17	28	56	6	0.00	−0.20	0.00	0	0	28	3	0	sw	High School.
Bridgeport, Cal		6,500	2	43.2	....	79	6	12	16	59	4	0.00	....	0.00	0	0	26	2	3	w	A. F. Scott.
Shields Ranch, Cal. **		5,300	....	....	....	....	....	....	....	....	6	0.00	....	0.00	0	0	24	6	1	....	Frank W. Chichester.
Colorado Basin.																					
Caliente §	Lincoln	4,407	5	57.0	+6.6	90	1	28	20	56	5	0.00	−0.50	0.00	0	0	24	5	2	sw	Salt Lake Route.
Indian Springs §**	Clark	3,136	2	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	Ira McFarland.
Las Vegas	do	2,033	13	66.3	+5.7	97	2	38	13	51	13	0.00	−0.25	0.00	0	0	28	2	1	s	C. P. Squires.
Logan §	do	1,355	8	67.4	+1.9	99	8	38	13	51	16	0.00	−0.68	0.00	0	0	25	1	5	....	Experiment Farm.
Pioche	Lincoln	6,100	17	57.0	+6.9	90	7	28	11	48	17	0.00	−0.48	0.00	0	0	20	7	4	....	M. L. Lee.
Minor Basins.																					
Belmont	Nye	8,132	15	49.6	+2.5	77	11	24	7	46	15	0.00	−0.45	0.00	0	0	17	7	7	s	Lloyd G. Nelson.
Cherry Creek	White Pine	6,450	7	50.7	....	80	8	21	12	47	7	T.	....	T.	0	0	26	3	2	w	J. H. Leishman.
Columbia**	Esmeralda	5,700	8	55.0	....	83	†1	29	12	44	10	0.00	....	0.00	0	0	29	1	1	se	A. Booth.
Duck Flat	Washoe	4,725	....	....	....	....	....	....	....	....	1	0.19	....	0.16	0	2	27	0	4	w	H. J. Muller.
Gerlach	do	3,931	3	51.6	....	83	8	16	12	52	3	0.03	....	0.03	0	1	25	4	2	w	Western Pacific Co.
Jean	Clark	2,864	7	....	....	....	....	....	....	....	8	....	....	....	....	....	....	....	....	....	Salt Lake Route.
Jungo	Humboldt	4,165	....	....	....	....	....	....	....	....	2	0.00	....	0.00	0	0	23	6	2	sw	Western Pacific Co.
Lida §	Esmeralda	6,037	3	55.3	+8.7	87	7	31	18	45	3	0.00	−0.31	0.00	0	0	31	0	0	nw	L. F. Detwiler.
McDermitt	Humboldt	4,700	25	51.6	+2.8	82	8	19	11	42	25	0.00	−0.90	0.00	0	0	31	0	0	sw	U. S. Indian Service.
McGill §	White Pine	6,338	5	52.2	+7.8	81	†1	23	12	48	5	0.00	−0.72	0.00	0	0	29	2	0	n	R. E. Middagh.
Millett	Nye	5,040	7	48.7	....	82	7	17	†12	60	8	0.00	....	0.00	0	0	27	3	1	....	Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	3	45.2	−3.6	79	†7	10	16	56	3	0.00	−0.31	0.00	0	0	30	0	1	....	Arthur L. Stewart.
Pahrump **	Nye	2,608	2	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	F. A. Buol.
Pyramid (near)**††	Washoe	....	....	....	....	....	....	....	....	....	1	0.00	....	0.00	0	0	30	1	0	....	F. O. Norton.
Quinn Riv. Ranch **	Humboldt	4,850	13	....	....	....	....	....	....	....	14	....	....	....	....	....	....	....	....	....	F. M. Payne.
Rebel Creek	do	4,300	3	53.5	....	84	8	23	24	53	4	T.	....	T.	0	0	27	3	1	sw	Fred Whitaker.
Rhyolite	Nye	3,680	2	65.0	....	89	7	44	12	36	2	0.00	....	0.00	0	0	23	8	0	s	Secretary School Board.
Sand Pass	Washoe	4,198	2	56.0	....	85	1	27	†12	49	2	T.	....	T.	0	0	30	0	1	w	R. R. Mott.
Searchlight	Clark	3,445	2	68.2	....	88	8	47	16	28	2	0.00	....	0.00	0	0	28	3	0	n	C. L. Aug. Mahn.
Sharp	Nye	6,200	2	52.6	....	82	1	22	12	49	2	0.00	....	0.00	0	0	30	1	0	w	F. A. Sears.
Sulphur	Humboldt	4,044	2	53.9	....	81	†1	24	26	51	2	T.	....	T.	0	0	4	21	6	sw	Western Pacific Co.
Tonopah	Nye	6,090	10	55.8	....	78	7	29	11	26	10	0.00	....	0.00	0	0	26	4	1	se	U. S. Weather Bureau.
Vya	Washoe	5,500	2	....	....	....	....	....	....	....	2	0.06	....	0.06	T.	1	24	2	5	nw	W. N. Lord.
For the State	....	....	....	53.3	+3.4	99	8	10	16	64	....	0.01	−0.53	0.16	T.	0	26	3	2	sw	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post office addresses of these stations are as follows: Of Jack Creek, Tuscarora; of Clover Valley, Wells; of Dry Farm, Lamoille; of Lewers Ranch, Franktown; of Marlette Lake, Virginia City; of Shield's Ranch, Coleville, Cal.; of Indian Springs, Las Vegas; of Columbia, Goldfield; of Duck Flat, Gerlach; of Oasis Ranch, Oasis, Cal.; of Pahrump, Shoshone, via Tecopa, Cal.; of Pyramid (near), Reno; of Quinn River Ranch, Amos; of Woodfords, Cal., Sheridan, Nev.

Reference letters ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing, for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for October, 1915.

Stations.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Columbia Basin.																																
Gold Creek																																0.00
Jack Creek														.08																		0.08
Owyhee																																0.00
San Jacinto																																0.00
Humboldt Basin.																																
Arthur																																0.00
Austin ‖‖													.02																			0.02
Battle Mountain ‖‖														T.																		T.
Beowawe ‖‖														.07																		0.07
Carlin																																0.00
Clover Valley																																0.00
Dry Farm																																...
Elko																																0.00
Eureka														.10																		0.10
Golconda																																0.00
Halleck																																0.00
Hylton																																0.00
Imlay																																0.00
Lovelocks																																...
Metropolis																																0.00
North Fork																																0.00
Paradise Valley																							T.									T.
Potts														T.																		T.
Shafter																																...
Tecoma																																0.00
Wells																																0.00
Winnemucca***													.05																			0.05
Truckee Basin.																																
Fernley																																0.00
Glenbrook																																0.00
Lewers Ranch																																0.00
Marlette Lake ‖‖																																0.00
Reno ***													T.																			T.
Bijou, Cal													T.																			T.
Fallen Leaf, Cal																																0.00
Hobart Mills, Cal																																0.00
McKinney, Cal																																0.00
Tahoe, Cal																																0.00
Tallac, Cal													T.																			T.
Carson Basin.																																
Fallon																																0.00
Gardnerville																																0.00
Lahontan ‖‖													T.																			T.
Markleeville, Cal																																0.00
Woodfords, Cal																																0.00
Walker Basin.																																
Mina																																0.00
Smith																																...
Thorne																																0.00
Yerington																																0.00
Bridgeport, Cal																																0.00
Shields Ranch, Cal																																0.00
Colorado Basin.																																
Caliente																																0.00
Indian Springs																																...
Las Vegas																																0.00
Logan																																0.00
Pioche																																0.00
Minor Basins.																																
Belmont																																0.00
Cherry Creek										T.				T.																		T.
Columbia																																0.00
Duck Flat																							.16	.03								0.19
Gerlach																							.03									0.03
Jean																																...
Jungo																																0.00
Lida																																0.00
McDermit																																0.00
McGill																																0.00
Millett																																0.00
Oasis Ranch																																0.00
Pahrump																																...
Pyramid																																0.00
Quinn River Ranch																																...
Rebel Creek																T.																T.
Rhyolite																																0.00
Sand Pass													T.										T.									T.
Searchlight																																0.00
Sharp																																0.00
Sulphur															T.																	T.
Tonopah***																																0.00
Vya																							.06									0.06

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight.

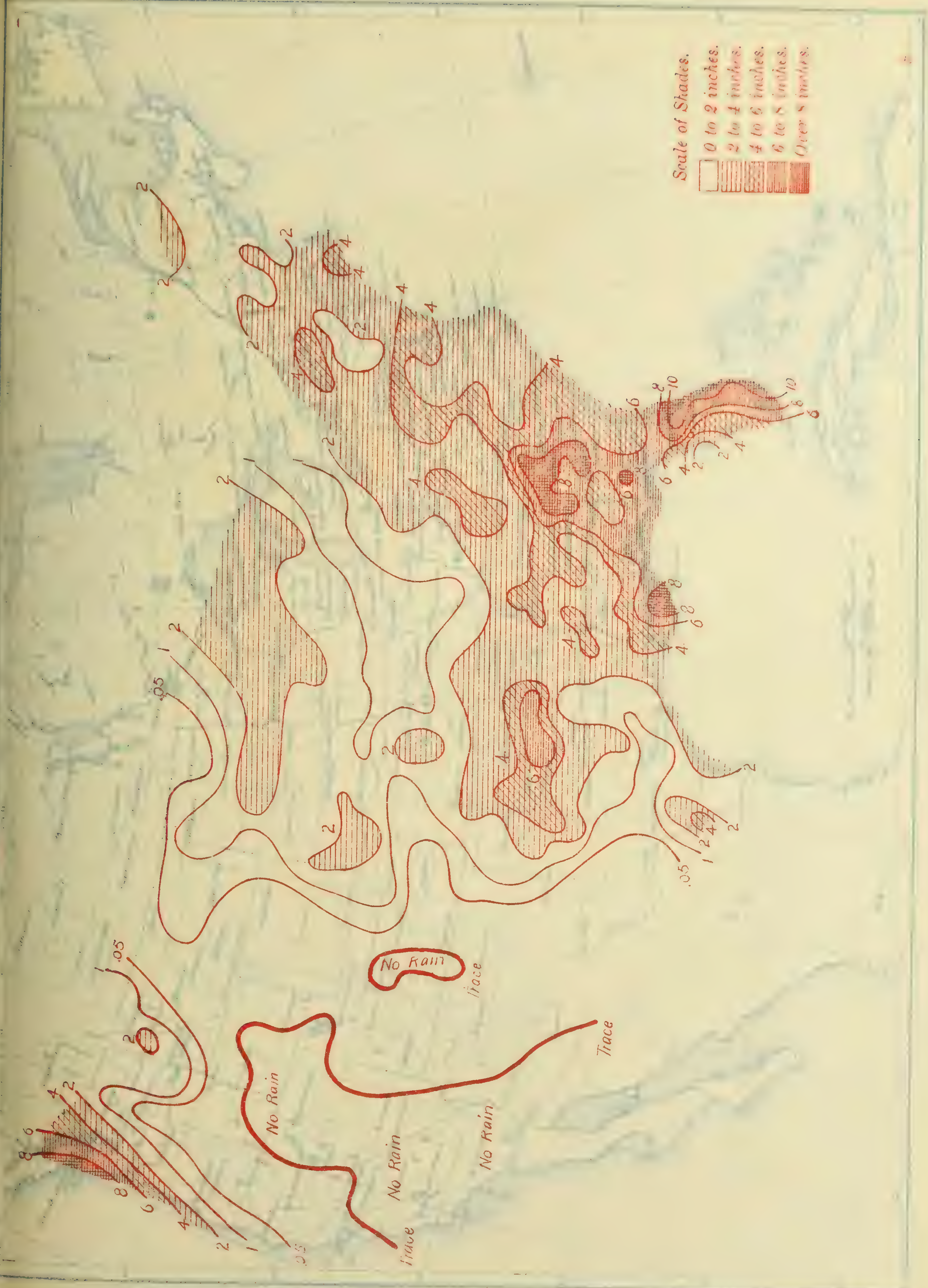
‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

T. Trace, or less than 0.01 inch. ** Incomplete.

Daily temperatures for October, 1915.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek	Maximum	66	45	55	51	60	57	66	72	71	41	42	50	52	40	45	58	60	59	56	62	67	74	59	60	57	62	62	58	58	59	58	57.5
	Minimum	35	31	24	23	22	29	26	31	31	17	18	18	36	32	29	23	24	23	32	26	33	36	28	22	16	27	27	25	29	28	26	26.7
Owyhee	Maximum	74	63	68	59	71	73	72	81	75	68	51	61	62	51	54	63	68	72	70	76	78	74	67	52	67	70	72	72	73	70	63	67.4
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
San Jacinto	Maximum	69	70	72	69	70	71	69	67	70	68	65	60	62	63	65	70	71	67	63	62	59	61	64	61	65	68	61	62	60	64	65	65.6
	Minimum	30	29	28	29	30	28	25	24	24	23	22	21	22	26	25	28	29	29	21	22	21	20	25	24	26	27	26	27	28	29	30	25.7
Humboldt Basin.																																	
Austin	Maximum	76	69	60	63	65	77	80	79	75	60	53	62	62	56	55	63	67	69	71	77	78	72	69	57	69	74	73	70	68	63	62	67.5
	Minimum	37	28	32	33	43	44	48	44	35	21	27	37	35	25	31	32	35	36	41	46	44	39	28	29	39	40	41	41	38	33	34	36.0
Battle Mountain§§	Maximum	....	....	....	....	80	84	92	94	92	....	....	80	74	70	80	82	77	80	86	87	88	....	....	70	78	83	85	83	....	83	77	82.0
	Minimum	42	40	....	....	....	....	....	....	....	....	....	....	44	38	42	18	28	34	32	34	38	34	25	21	35	29	28	27	25	32	28	32.1
Beowawe §§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	82	81	78	72	72	76	76	78	78	76	78	......
	Minimum	22	24	22	26	25	23	24	26	26	34	16	24	34	40	34	31	28	24	31	28	31	30	30	15	23	26	22	22	23	25	21	26.1
Carlin	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	32	33	32	32	33	33	36	34	....	....	31	25	....	....	....	36	32	34	30	32	....	....	....	32	31	....	32	....	....	....	....	32.2
Clover Valley	Maximum	76	67	69	63	72	73	72	82	79	66	54	60	66	66	57	63	68	73	74	77	79	76	74	64	65	76	77	77	76	68	69	70.3
	Minimum	35	48	35	29	25	37	29	32	42	45	21	20	36	39	32	25	25	28	38	33	35	32	36	23	22	29	31	29	30	30	34	31.8
Elko	Maximum	85	70	65	63	69	72	73	79	84	70	65	69	72	70	69	70	70	70	70	70	76	74	70	70	60	70	70	70	71	68	67	70.7
	Minimum	29	29	24	24	21	25	23	25	23	23	19	19	22	24	20	21	19	21	28	23	26	26	24	22	17	23	22	20	21	22	22	22.8
Eureka	Maximum	81	74	61	63	76	78	83	80	78	67	56	64	64	55	59	64	70	74	75	79	78	74	72	59	71	77	76	78	75	70	66	70.9
	Minimum	39	38	23	27	29	37	36	47	46	35	18	23	35	34	26	28	31	36	37	38	46	45	40	24	28	38	39	37	40	32	31	34.3
Golconda	Maximum	78	76	76	78	68	68	70	68	72	70	70	64	67	67	58	63	68	73	72	74	80	75	62	60	65	68	68	67	68	76	68	69.6
	Minimum	38	36	37	35	36	36	34	35	32	30	26	24	28	32	28	29	44	37	37	38	37	35	32	26	28	30	32	32	34	36	36	33.2
Halleck	Maximum	74	75	66	66	64	76	76	76	76	76	66	68	68	67	67	66	66	74	72	70	70	69	69	70	70	69	70	71	71	68	67	70.1
	Minimum	30	31	30	29	31	30	30	28	29	29	30	32	31	32	29	27	26	27	26	26	25	26	24	28	26	24	30	29	24	24	22	27.9
Imlay	Maximum	70	75	74	75	76	78	84	84	77	67	65	65	65	64	67	69	70	70	69	78	82	76	69	67	67	75	72	70	71	69	71	72.0
	Minimum	34	35	33	34	33	32	34	31	31	35	32	30	35	38	35	34	31	32	31	35	34	34	33	33	31	34	31	32	35	32	33	33.1
Paradise Valley	Maximum	77	70	61	66	75	77	80	84	77	64	64	63	66	58	61	65	69	73	73	80	81	76	77	69	68	74	74	75	74	69	67	71.2
	Minimum	36	34	32	22	22	27	24	29	32	34	15	16	32	38	24	20	24	25	30	31	32	28	25	16	17	24	26	23	25	29	27	26.5
Potts	Maximum	70	68	60	62	72	74	75	74	70	65	65	55	59	54	54	58	62	68	68	70	70	69	69	62	60	67	69	68	66	61	60	65.3
	Minimum	32	28	15	18	17	23	23	24	30	23	19	13	27	28	25	17	21	24	23	25	28	29	28	19	22	17	25	21	26	20	21	22.9
Tecoma	Maximum	78	77	65	64	67	72	75	77	80	70	65	62	65	65	60	67	64	70	72	75	75	74	76	75	74	70	76	75	74	72	70	71.0
	Minimum	30	35	32	30	25	25	28	29	31	26	24	20	32	40	20	32	25	22	30	30	22	20	20	22	20	18	27	30	26	22	20	26.2
Wells	Maximum	86	84	83	82	80	84	81	83	84	60	58	60	70	62	70	67	70	74	72	70	71	75	85	70	68	70	73	70	72	70	65	73.2
	Minimum	30	32	31	30	29	34	30	33	31	33	24	18	36	33	31	30	28	29	27	28	27	29	30	25	20	22	26	22	24	25	22	28.0
Winnemucca	Maximum	80	63	62	67	76	77	82	85	78	61	57	66	67	60	61	68	73	76	77	83	83	78	68	57	69	76	75	77	75	70	68	71.5
	Minimum	40	37	30	26	26	28	31	33	32	28	20	20	36	34	28	26	25	27	35	30	34	31	25	20	22	26	28	28	27	29	32	28.8
Truckee Basin.																																	
Fernley	Maximum	87	78	74	75	84	81	82	87	79	72	63	66	61	63	62	72	71	79	77	78	85	81	78	63	65	75	76	77	75	75	73	74.6
	Minimum	44	47	28	30	30	35	33	35	36	37	25	23	41	44	28	34	28	30	33	30	37	36	48	28	34	30	30	32	53	42	39	34.8
Glenbrook	Maximum	75	76	78	80	79	78	76	78	77	76	76	75	75	76	73	75	76	78	76	75	76	75	76	75	74	74	74	75	76	72	70	75.8
	Minimum	35	36	37	38	36	34	30	30	30	32	34	32	30	30	34	32	32	32	30	30	32	33	30	29	30	30	32	30	31	30	30	32.0
Lewer's Ranch	Maximum	84	79	72	72	82	82	84	83	82	69	69	66	63	61	67	72	75	78	80	84	88	69	62	64	67	69	76	75	76	66	70	73.7
	Minimum	37	45	31	34	32	51	41	42	40	28	27	39	33	29	27	29	30	32	33	34	35	49	41	30	29	30	31	33	34	42	35	35.0
Reno	Maximum	81	75	71	70	81	85	87	83	74	67	61	70	65	63	59	70	75	77	80	82	80	73	62	62	69	78	79	78	77	69	70	73.3
	Minimum	44	40	33	34	34	41	41	41	40	42	32	29	37	36	31	29	33	33	37	37	43	39	41	30	30	34	36	35	34	41	36	36.3
Fallen Leaf, Cal.	Maximum	74	71	61	60	66	66	73	68	66	62	63	59	59	54	52	64	62	69	64	65	74	68	55	56	60	71	64	69	65	62	66	64.2
	Minimum	43	42	35	37	36	40	41	40	45	41	29	32	38	35	32	31	35	36	37	37	54	49	43	31	35	39	37	38	36	36	38	38.0
Tahoe, Cal.	Maximum	73	73	74	65	72	68	76	67	76	67	57	63	64	57	55	58	64	67	63	67	72	65	55	58	67	69	65	66	68	64	66	65.8
	Minimum	35	32	28	27	27	32	32	36	32	35	22	24	31	29	25	24	26	28	28	34	37	35	34	24	27	30	29	29	30	27	25	29.5
Carson Basin.																																	
Fallon	Maximum	86	78	67	69	78	80	81	86	81	71	60	65	67	64	61	69	73	77	77	81	86	81	74	60	64	76	75	73	77	74	71	73.6
	Minimum	41	37	30	30	29	33	33	35	37	38	24	23	37	43	30	25	28	30	33	30	36	36	32	27	25	28	30	29	31	34	34	31.9
Gardnerville	Maximum	79	77	....	70	75	79	80	80	77	69	....	65	65	63	62	65	....	....	77	77	81	74	....	....	65	70	74	70	74	72	....	72.5
	Minimum	35	31	....	28	28	34	34	30	33	26	....	23	31	32	24	22	....	....	26	26	37	36	....	....	25	31	37	35	27	30	....	30.0
Lahontan §§	Maximum	87	73	71	70	83	82	83	88	83	69	58	69	70	66	61	70	74	80	77	81	88	81	70	59	67	75	76	74	79	70	73	74.4
	Minimum	52	39	39	42	44	44	51	55	49	32	34	45	49	37	37	39	43	46	45	45	47	46	33	34	40	44	44	42	47	39	40	42.7
Walker Basin.																																	
Mina	Maximum	86	83	83	70	82	86	86	84	80	80	81	70	70	63	63	70	75	74	80	80	81	79	76	70	80	77	79	70	76	73	72	76.7
	Minimum	41	42	40	38	33	40	40	37	39	38	40	31	32	42	35	27	32	30	32	30	36	37	32	29	30	32	32	30	28	32	30	34.4
Thorne	Maximum	83	81	72	78	78	78	80	85	82	78	60	64	66	65	60	66	73	76	79	79	81	85	82	80	77	76	77	75	75	71	63	75.0
	Minimum	45	40	44	40	63	40	[illegible]	57	50	33	47	32	35	46	37	30	35	43	37	35	34	35	36	34	32	34	37	35	33	36	43	39.4
Yerington	Maximum	82	76	68	68	75	79	81	79	77	70	57	63	66	64	58	71	68	73	75	78	82	75	70	58	69	75	74	73	74	70	65	71.4
	Minimum	34	32	28	25	25	29	29	30	32	32	21	18	31	34	20	18	20	24	29	25	27	27	27	25	19	19	26	17	22	35	26	26.0
Bridgeport, Cal.	Maximum	75	73	66	72	78	79	78	74	73	63	58	62	60	58	55	62	67	70	71	75	73	66	61	64	70	71	71	70	68	55	64	67.9
	Minimum	25	23	18	19	19	20	21	20	22	20	18	16	21	18	16	12	15	17	14	16	20	20	30	13	17	18	16	16	15	19	17	18.4
Colorado Basin.																																	
Caliente	Maximum	90	85	86	80	79	78	78	76	76	74	74	74	70	76	76	84	86	84	82	84	84	85	82	80	80	79	78	79	80	80	78	79.9
	Minimum	49	46	42	40	38	36	35	[illegible]	34	34	34	32	30	34	32	30	32	31	30	28	30	34	34	34	34	32	30	30	31	34	32	34.1
Las Vegas	Maximum	96	97	90	88	86	90	95	95	91	90	76	75	80	81	77	81	84	84	86	[illegible]	90	91	90	88	85	87	89	90	88	86	86	87.3
	Minimum	49	49	47	47	46	47	47	45	49	50	56	40	38	44	49	43	45	39	39	44	40	40	40	50	50	43	43	47	41	48	48	45.3
Logan	Maximum	93	96	87	86	87	94	97	99	98	88	77	81	80	83	76	82	87	87	88	89	90	90	88	85	88	90	90	92	88	88	85	88.0
	Minimum	47	48	48	53	52	45	47	48	50	54	56	39	38	50	54	43	43	45	[illegible]	41	42	46	52	45	52	46	45	46	45	42	43	46.8
Pioche	Maximum	86	87	83	72	73	81	90	82	81	72	72	71	71	69	56	64	75	71	82	83	84	76	76	79	80	81	81	82	78	73	76	77.0
	Minimum	39	44	37	35	34	37	43	42	45	45	28	29	32	34	32	36	32	33	34	38	41	41	44	36	33	33	38	37	38	39	37	37.0
Minor Basins.																																	
Belmont	Maximum	69	68	71	70	69	69	67	70	70	73	77	71	69	68	66	66	69	71	70	72	73	68	64	66	69	67	68	64	66	63	61	68.5
	Minimum	35	34	34	32	29	27	24	28	31	32	31	34	32	30	28	29	27	31	32	33	32	30	29	28	31	32	30	31	29	31	33	30.6
Cherry Creek	Maximum	78	79	58	59	72	73	76	80	78	67	52	58	64	56	54	61	66	71	72	76	78	75	70	63	61	72	73	70	79	66	64	68.4
	Minimum	43	49	27	26	27	26	32	35	47	42	26	21	22	35	29	29	29	31	37	34	38	41	38	30	26	30	37	32	33	37	33	33.0
Columbia	Maximum	83	79	70	69	78	81	83	80	76	68	58	63	68	62	58	65	70	72	79	79	76	74	72	63	71	75	75	75	74	69	67	72.0
	Minimum	44	47	38	37	34	40	44	45	41	41	30	29	35	40	30	31	34	40	36	40	41	47	39	33	34	39	35	35	38	39	39	37.9
Gerlach	Maximum	82	81	65	65	77	77	78	83	82	73	68	66	64	61	60	68	73	73	76	80	82	78	68	54	62	74	74	74	75	73	68	72.2
	Minimum	42	40	30	26	26	32	37	31	33	40	29	16	32	42	29	23	23	28	30	32	36	32	40	25	24	25	28	28	23	38	38	30.9
Lida	Maximum	79	80	75	76	79	81	87	78	79	68	78	65	66	63	60	65	67	69	74	76	70	74	67	70	70	69	73	76	77	79	79	73.2
	Minimum	41	45	40	38	43	39	46	41	39	36	33	32	34	39	34	35	37	31	35	39	34	49	33	37	40	38	33	34	34	35	34	37.4
McDermit	Maximum	78	62	64	60	72	76	81	82	76	64	57	64	74	56	61	66	70	71	72	76	79	75	72	55	69	73	73	76	73	65	64	69.5
	Minimum	41	35	31	26	30	37	40	42	43	35	19	29	35	33	24	30	32	36	35	36	43	38	30	24	29	33	36	36	38	35	34	33.7
McGill	Maximum	81	73	61	63	75	71	80	81	71	65	54	62	62	58	56	63	69	72	75	79	73	74	71	61	63	72	75	77	74	67	64	69.1
	Minimum	50	49	30	28	27	37	34	38	44	39	26	23	34	36	31	28	31	33	36	36	44	45	43	35	26	31	38	33	36	44	31	35.4
Millett	Maximum	75	75	67	67	80	79	82	82	78	65	60	65	65	62	62	66	72	77	76	80	80	75	74	65	69	78	78	74	75	70	68	72.3
	Minimum	38	37	26	22	20	24	23	25	30	33	22	17	28	31	28	21	18	19	25	27	20	37	26	29	23	24	24	17	24	20	21	25.1
Oasis Ranch	Maximum	78	76	72	70	70	75	79	79	75	68	60	63	66	61	58	63	69	70	72	77	75	62	60	59	58	60	60	59	62	58	54	66.7
	Minimum	31	32	28	28	24	25	30	30	29	26	29	19	17	24	26	10	20	23	18	21	25	33	22	22	21	23	20	19	21	21	20	23.8
Quinn River Ranch	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Rebel Creek	Maximum	79	74	61	67	75	78	78	84	78	66	58	70	65	72	76	75	68	60	62	78	81	77	67	57	71	73	75	77	75	69	66	71.4
	Minimum	46	39	37	32	31	36	36	42	40	37	25	41	38	36	38	34	30	24	27	25	45	40	45	23	28	35	38	36	37	44	40	35.6
Rhyolite	Maximum	88	87	82	78	81	88	89	88	81	79	71	72	71	73	68	73	76	77	83	84	82	80	76	74	80	80	81	83	81	76	76	79.3
	Minimum	56	58	53	52	56	52	55	57	57	54	45	44	47	49	47	47	45	47	47	48	51	56	53	49	52	51	49	48	51	52	48	50.8
Sand Pass	Maximum	85	71	70	74	81	83	84	83	79	68	62	69	68	66	65	70	75	79	79	83	84	78	63	61	69	77	72	75	78	73	70	74.0
	Minimum	47	46	35	35	32	40	39	38	35	48	32	27	41	40	35	43	33	40	38	41	45	36	46	27	31	30	35	33	34	45	47	37.9
Searchlight	Maximum	86	87	78	75	74	86	87	88	84	78	70	68	72	75	65	71	75	80	80	83	84	84	82	77	75	82	84	82	82	78	77	79.0
	Minimum	58	60	59	56	54	60	63	62	58	58	52	51	50	51	49	47	59	62	56	56	61	59	59	58	55	60	61	68	62	60	53	57.3
Sharp	Maximum	82	79	65	63	62	78	79	80	74	68	58	61	64	59	57	63	65	68	74	76	75	74	70	64	65	74	72	72	72	67	65	69.2
	Minimum	42	43	40	32	40	34	40	44	41	36	30	22	35	40	35	30	32	35	38	40	40	40	40	30	26	25	36	38	39	37	32	35.9
Sulphur	Maximum	81	80	80	78	78	76	75	79	80	78	80	78	76	69	68	69	70	75	74	78	81	80	69	70	74	75	71	74	73	74	70	75.3
	Minimum	35	32	29	29	30	35	34	36	38	34	37	35	36	36	28	29	30	32	30	32	32	38	40	36	28	24	30	31	30	29	31	32.5
Tonopah	Maximum	76	71	64	64	71	75	78	75	70	61	52	57	63	57	53	59	63	66	71	74	71	68	67	59	64	69	69	70	69	63	61	66.1
	Minimum	56	46	41	42	45	56	57	56	53	39	29	36	45	39	34	40	46	45	48	53	52	50	44	35	38	51	47	49	48	47	44	45.5

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
No Rain
No Rain
No Rain
No Rain
Trace
Trace
Trace
.05
1
2
4
6
8
10

Stack
LNNE

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

DEC 20 1915

CLIMATOLOGICAL DATA

NEVADA SECTION

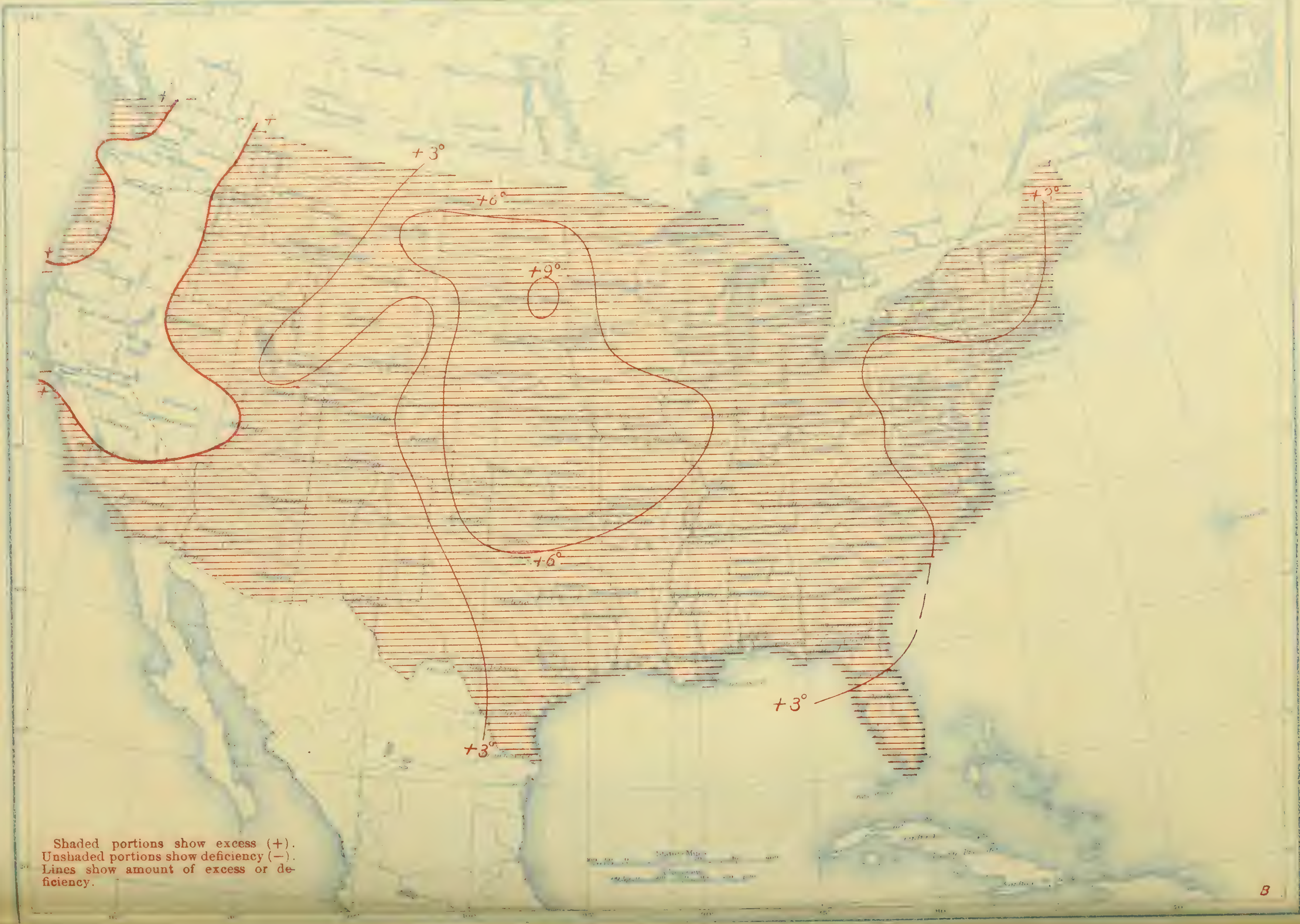
NOVEMBER, 1915

BY

HENRY F. ALCIATORE
SECTION DIRECTOR

RENO, NEV.
WEATHER BUREAU OFFICE
DECEMBER 11, 1915.

Departure of the Mean Temperature from the Normal, November, 1915.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALCIATORE, Section Director.

Vol. XXX. Reno, Nevada, November, 1915. No. 11.

GENERAL SUMMARY.

Considered as a whole, the month was nearly normal as to temperature, and slightly deficient as to precipitation. The first decade was quite warm, and at most of the stations reporting temperatures the highest readings were recorded in this period. During the greater part of the second decade the weather was unusually cold, the lowest temperatures occurring generally on the 13th and 14th. Zero or lower temperatures, the first of the season, occurred in Humboldt County (5° below) on the 13th, and in Elko County (7° below) on the 14th. As compared with the normal, some stations reported an excess and some a deficiency.

The precipitation was markedly above the normal in the Colorado Basin but deficient in all the other basins. The monthly falls ranged from a trace at several stations to 2.74 inches in Elko County; at one or two places in Mineral, Esmeralda, and Nye counties there was no rainfall at all. The average for the State was about 70 per cent of the normal, and considerably greater than that of November last year.

In the Humboldt, Columbia, and Truckee watersheds the snowfall was heavier than usual. At Tahoe, on the western side of Lake Tahoe, there was an excess of nearly 23 inches; and at Marlette Lake, on the eastern side, 7 inches; at the southern end of the lake, however, in the vicinity of Tallac and Fallen Leaf, the snowfall was unusually light.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 42 stations, was 40.1°. The mean for the 27 stations having ten or more years record was 0.9° above the normal. The highest recorded was 88° at Logan, on the 4th. The lowest was −7° at Gold Creek on the 14th. The greatest daily range was 56° at Paradise Valley on the 22d. The highest monthly mean was 52.8°, at Las Vegas and Logan. The lowest monthly mean was 26.8°, at Gold Creek.

PRECIPITATION.

The average for 54 stations reporting was 0.47 inch. For the 31 stations having ten or more years record, the mean was 0.20 inch below the normal. The average amount at 3 stations in the Columbia Basin was 1.70 inches; at 19 stations in the Humboldt Basin, 0.44 inch; at 10 stations in the Truckee Basin, 1.11 inches; at 5 stations in the Carson Basin, 0.28 inch; at 6 stations in the Walker Basin, 0.18 inch; at 4 stations in the Colorado Basin, 1.19 inches; at 17 stations in the minor basins, 0.21 inch. The greatest monthly fall was 2.74 inches at Jack Creek; at 4 stations no precipitation occurred. The average number of days with precipitation was 3.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric Pressure (sea level)			Mean relative humidity		Wind			
	Mean.	Highest.	Lowest.	5 a. m.	5 p. m.	Average hourly velocity	Maximum velocity		
							Miles per hour	Dir.	Date.
Reno	30.11	30.61	29.62	64	40	6.3	55	w	23
Winnemucca	30.12	30.68	29.55	74	52	6.9	37	sw	23
Tonopah	30.10	30.79	29.68	61	46	9.4	42	nw	16

SUNSHINE AND CLOUDINESS.

At Reno 69 per cent of the possible sunshine was recorded; at Winnemucca, 59 per cent; at Tonopah, 52 per cent. For the State, the average number of clear days was 11; partly cloudy, 9; cloudy, 10.

MISCELLANEOUS PHENOMENA.

(Dates of)

Brisk Winds.—2, 3, 4, 5, 6, 7, 8, 9, 15, 16, 22, 23, 24, 26.
Solar Halos.—14, 18, 19.
Lunar Halos.—1, 14, 15, 18, 19, 20, 21, 28, 29.
Sleet.—26.
Fog.—27, 30.

COMPARATIVE DATA FOR NOVEMBER.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	39.6	81	4	1.08	1.3	3	15	6	9	
1890	40.9	86	5	0.18	0.9	1	23	4	3	s
1891	41.3	81	− 2	0.09	T.	1	15	9	6	nw
1892	38.7	76	−13	2.08	7.4	3	13	9	6	n
1893	38.2	74	− 8	0.83	2.9	4	14	9	8	s
1894	43.7	83	−12	0.08	0.5	0	20	5	11	sw
1895	35.9	80	−10	0.67	5.2	4	12	7	3	w
1896	35.6	79	−23	1.10	2.6	4	10	8	10	w
1897	40.3	77	− 6	0.69	2.8	3	12	7	13	sw
1898	35.1	77	−10	1.10	4.1	4	15	8	10	w
1899	40.8	73	3	0.50	8.0	3	11	6	9	w
1900	40.7	78	1	1.34	6.5	5	13	7	12	w
1901	43.1	80	12	0.53	0.2	2	14	6	11	sw
1902	37.2	82	− 3	1.25	8.0	5	12	9	7	sw
1903	41.8	89	4	0.67	0.2	2	15	7	11	sw
1904	41.8	80	2	0.06	T.	0	16	8	7	s
1905	36.4	88	−10	1.11	10.6	4	16	8	6	w
1906	35.5	83	−22	0.93	7.7	4	10	5	9	n
1907	40.2	78	− 1	0.21	1.7	1	20	8	12	n
1908	38.3	83	−13	0.15	0.8	1	18	5	5	w
1909	40.1	86	−10	0.51	7.5	5	11	7	5	w
1910	42.2	80	− 8	0.46	0.5	2	13	8	11	w
1911	36.7	76	− 9	0.26	1.5	2	19	8	9	w
1912	39.9	78	3	0.60	1.2	3	18	6	5	w
1913	40.3	83	− 5	1.28	2.7	6	12	6	6	w
1914	41.6	88	−11	0.03	0.2	0	22	7	11	n
1915	40.1	88	− 7	0.47	3.0	3	11	5	3	w
Entire period	37.9	89	−23	0.68	3.3	3	15	9	10	w

CORRECTIONS.

October, 1915, report.—Page 76, date of maximum temperature at Fallon should be 31. Winnemucca, number of days with precipitation should be 2; clear days, 28; partly cloudy, 2. Page 77, Winnemucca, precipitation on the 13th, 0.02; on the 14th, 0.03.

LATE REPORTS.

September, 1915.—Yerington, mean temperature, 57.6°; highest, 86° on the 22d; lowest, 30° on the 14th and 30th; total precipitation, 0.34 inch; days with precipitation 3; clear, 23; partly cloudy, 3; cloudy, 4. Clover Valley, mean temperature, 56.4°; highest, 85° on the 12th; lowest, 25° on the 15th; total precipitation, 0.98 inch; number of days with precipitation, 4; clear, 11; partly cloudy, 14; cloudy, 5. Dry Farm, total precipitation, 0.31; number of days with precipitation, 2. San Jacinto, total precipitation, 1.22 inches; total snowfall, 0.1; number of days with precipitation, 3.

July, 1915.—Dry Farm, total precipitation, 0.78; number of days with precipitation, 2.

August, 1915.—Dry Farm, mean temperature, 71.4°; highest, 93° on the 10th; lowest, 48° on the 25th; total precipitation, a trace.

Climatological data for November, 1915.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Precipitation, in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted.)	Number of days With precipitation (0.01 inch or more.)	Clear.	Partly cloudy.	Cloudy.	Prevailing direction of the wind.	Observers.
Columbia Basin.																					
Gold Creek	Elko	6,600	2	26.8	....	59	†3	−7	14	40	2	1.57	....	0.75	8.4	10	....	....	....	w.	Forest Supervisor.
Jack Creek**	do	6,300	....								2	2.74	....	0.76	14.2	10	5	12	13	w.	C. E. Butler.
Owyhee	do	5,400	4	....	....	65	†1	....			4	0.79	....	0.25	5.0	8	....	....	....	....	Indian Service.
San Jacinto	do	5,200	10	....							10	....								....	Utah Construction Co.
Humboldt Basin.																					
Arthur	Elko	6,500	....	....						....	5	1.87	+0.58	0.42	12.5	7	5	15	10	nw.	Isaac Woodhouse.
Austin	Lander	6,594	26	38.6	−0.4	68	4	8	10	35	26	0.01	−0.63	0.01	0.1	1	16	11	3	....	Forest Service.
Battle Mountain	do	4,513	44	41.2	+3.8	78	8	8	14	54	46	0.10	−0.41	0.10	2.0	1	14	1	15	....	Southern Pacific Co.
Beowawe	Eureka	4,695	44	35.2	−1.3	71	5	6	†13	48	46	0.30	−0.31	0.10	6.0	4	9	0	21	sw.	Do.
Carlin ††	Elko	4,896	44	....	....	....	....	....	....	....	44	0.01	0.55	0.01	T.	1	5	14	11	w.	Western Pacific Co.
Clover Valley**	do	6,000	14	39.0	+2.2	73	5	3	14	40	22	1.57	−0.20	0.48	3.0	8	5	12	13	....	I. F. Wiseman.
Dry Farm**	do	5,600	3	39.6	....	75	1	7	13	42	6	0.52	−0.75	0.31	4.0	6	6	20	1	sw.	Walfrid Sohlman.
Elko	do	5,063	44	35.6	+1.2	67	5	2	14	49	45	0.43	−0.26	0.36	3.0	2	5	10	15	w.	Western Pacific Co.
Eureka	Eureka	6,837	17	39.2	−0.1	69	4	5	†11	43	19	0.39	−0.34	0.15	7.5	5	7	8	15	s.	Clay Simms.
Golconda	Humboldt	4,392	36	35.6	−3.8	62	†4	6	12	40	38	0.20	−0.19	0.20	4.2	1	5	0	25	....	Southern Pacific Co.
Halleck	Elko	5,229	22	....	....	....	....	−3	14	....	46	0.25	−0.27	0.15	4.5	3	12	0	18	....	Do.
Hylton	do	7,081	....	....	....	....	....	....	....	....	5	0.45	....	0.13	1.0	6	18	11	1	....	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	2	39.0	−0.9	71	6	0	13	46	2	T.	−0.33	T.	T.	0	8	2	20	....	Southern Pacific Co.
Lovelocks	do	3,977	21	....	....	....	....	....	....	....	19	....	....	....	....	....	....	....	....	....	High School.
Metropolis §	Elko	5,661	2	....	....	....	....	....	....	....	6	0.39	−0.36	0.15	2.5	5	....	....	....	....	Geo. Holmeister.
North Fork	do	6,500	....	....	....	....	....	....	....	....	6	0.47	....	0.09	9.0	6	9	4	17	n.	Chas. Pratt.
Paradise Valley	Humboldt	4,500	2	34.2	....	66	5	−5	13	56	6	0.42	....	0.15	3.0	6	7	10	13	sw.	R. M. Taylor.
Potts	Nye	6,002	22	34.8	+0.8	63	†2	0	14	45	24	T.	−0.39	T.	0	0	5	6	19	s.	Miss Maud Potts.
Shafter §	Elko	5,583	2	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	Geo. Kernan.
Tecoma	do	4,812	37	33.4	−0.8	67	1	1	28	45	39	0.34	−0.02	0.32	0.5	2	4	16	10	....	Southern Pacific Co.
Wells	do	5,631	43	34.8	+1.1	72	2	−4	16	49	46	0.25	−0.50	0.10	5.0	4	4	20	6	sw.	Do.
Winnemucca	Humboldt	4,344	36	37.2	−0.3	68	5	2	13	43	46	0.38	−0.36	0.24	3.7	6	8	7	15	sw.	U. S. Weather Bureau.
Truckee Basin.																					
Fernley	Lyon	4,150	42	40.8	+0.9	77	20	10	13	51	16	0.80	+0.44	0.80	3.0	1	....	....	....	....	Mrs. G. A. Steele.
Glenbrook	Douglas	6,240	6	40.8	....	72	†1	14	10	41	6	0.35	....	0.35	7.0	2	15	9	6	sw.	C. C. Henningsen.
Marlette Lake**	do	7,900	....	....	....	....	....	....	....	....	2	1.60	....	0.94	21.0	3	14	1	15	s.	V. & G. H. Water Co.
Reno	do	4,532	28	42.5	+1.5	72	1	13	13	38	28	0.28	−0.81	0.20	2.4	3	13	10	7	w.	U. S. Weather Bureau.
Bijou, Cal.		6,230	....	....	....	....	....	....	....	....	6	0.90	....	0.51	9.0	4	3	16	11	n.	Chas. Young.
Fallen Leaf, Cal.		6,400	3	39.6	....	66	1	14	10	28	3	0.85	....	0.40	11.0	4	1	28	1	s.	W. W. Price.
Hobart Mills, Cal.		5,900	....	....	....	....	....	....	....	....	6	1.84	....	1.20	18.0	4	9	11	10	s.	S. E. Patterson.
McKinney, Cal.		6,225	6	....	....	....	....	....	....	....	6	2.03	....	1.11	23.8	8	10	12	8	sw.	Fred Jensen.
Tahoe, Cal.		6,240	7	35.7	....	65	1	3	11	40	7	2.43	....	1.71	36.5	5	6	19	5	....	Mrs. Northrup A. Pomin.
Tallac, Cal.		6,230	....	....	....	....	....	....	....	....	6	0.05	....	0.04	1.0	2	20	10	0	sw.	Willis D. Sloan.
Carson Basin.																					
Fallon	Churchill	3,965	21	41.4	+1.7	73	2	9	13	49	21	0.09	−0.19	0.08	T.	2	13	9	8	ne.	U.S. Experiment Station.
Gardnerville	Douglas	4,830	24	^{j}41.7	−1.1	^{j}72	2	^{j}11	13	^{j}43	25	0.28	−1.29	0.20	4.0	2	....	....	....	w.	Forest Service.
Lahontan	Churchill	4,200	3	43.0	....	74	5	11	12	40	5	0.02	....	0.02	0	1	8	17	5	w.	U.S. Reclamat'n Service.
Markleeville, Cal.		5,525	....	....	....	....	....	....	....	....	6	0.63	....	0.46	7.0	2	12	12	6	s.	Mrs. Mary Thornburg.
Woodfords, Cal.**		5,634	....	....	....	....	....	....	....	....	6	0.40	....	0.40	8.0	1	12	5	13	sw.	Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	8	43.0	−0.7	74	4	12	†14	46	19	0.00	−0.17	0.00	0	0	13	10	7	....	Southern Pacific Co.
Smith	Lyon	4,800	....	....	....	....	....	....	....	....	7	0.18	....	0.18	2.0	1	20	4	6	n.	C. M. Carter.
Thorne §	Mineral	4,200	2	46.1	+1.9	75	4	12	8	54	2	T.	−0.34	T.	T.	0	2	27	1	w.	Southern Pacific Co.
Yerington §	Lyon	4,375	6	37.8	−1.2	71	2	5	11	48	6	0.03	−0.35	0.03	T.	1	22	6	2	sw.	High School.
Bridgeport, Cal.		6,500	2	33.0	....	65	†2	−18	10	47	4	0.40	....	0.40	5.0	1	13	10	7	n.	A. F. Scott.
Shields Ranch, Cal.**		5,300	....	....	....	....	....	....	....	....	6	0.49	....	0.49	6.0	1	17	9	4	....	Frank W. Chichester.
Colorado Basin.																					
Caliente §	Lincoln	4,407	5	42.8	+5.1	78	†3	17	13	46	5	0.73	+0.26	0.70	0	2	20	8	2	sw.	Salt Lake Route.
Indian Springs §**	Clark	3,136	2	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	Ira McFarland.
Las Vegas	do	2,033	13	52.8	+3.3	87	4	23	14	45	13	0.75	+0.42	0.75	0	1	23	6	1	s.	C. P. Squires.
Logan §	do	1,355	8	52.8	−0.2	88	4	25	14	43	16	2.00	+1.52	2.00	0	1	14	7	9	....	Experiment Farm.
Pioche	Lincoln	6,100	17	41.9	+4.3	77	1	11	14	44	17	1.27	+0.76	0.97	0	2	....	....	....	....	M. L. Lee.
Minor Basins.																					
Belmont	Nye	8,132	15	....	....	....	....	....	....	....	15	....	....	....	....	....	....	....	....	....	Lloyd G. Nelson.
Cherry Creek	White Pine	6,450	7	48.2	....	69	4	2	14	41	7	0.20	....	0.11	4.2	4	10	10	10	w.	J. H. Leishman.
Columbia**	Esmeralda	5,700	8	41.4	....	70	1	11	13	38	10	0.00	....	0.00	0	0	12	12	6	se.	A. Booth.
Duck Flat	Washoe	4,725	....	....	....	....	....	....	....	....	1	0.39	....	0.14	4.5	4	7	0	23	w.	H. J. Muller.
Francis	do	5,350	....	....	....	....	....	....	....	....	1	0.21	....	0.08	1.5	4	17	7	6	w.	Geo. W. Barnard.
Gerlach	do	3,931	3	^{f}41.1	....	^{c}71	5	^{g}12	11	^{g}42	3	0.28	....	0.24	0.5	2	....	....	....	....	Western Pacific Co.
Jean	Clark	2,864	7	....	....	....	....	....	....	....	8	....	....	....	....	....	....	....	....	....	Salt Lake Route.
Jungo	Humboldt	4,165	....	....	....	....	....	....	....	....	2	T.	....	T.	T.	0	4	12	14	sw.	Western Pacific Co.
Lida §	Esmeralda	6,037	3	40.0	+1.9	74	1	9	15	40	3	0.15	−0.21	0.15	0	1	21	9	0	nw.	L. F. Detwiler.
McDermitt	Humboldt	4,700	25	37.3	−0.2	65	4	3	13	36	25	0.38	−0.51	0.20	6.0	4	9	13	8	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	5	39.1	+3.6	77	2	5	14	42	5	0.24	−0.54	0.11	1.6	4	14	7	9	n.	R. E. Middagh.
Millett	Nye	5,040	7	38.6	....	70	†2	0	†13	52	8	0.00	....	0.00	0	0	10	3	17	s.	Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	3	37.6	0.0	66	22	9	14	43	3	0.00	−0.36	0.00	0	0	16	0	14	s.	Arthur L. Stewart.
Pahrump**	Nye	2,608	2	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	F. A. Buol.
Pyramid (near)**	Washoe	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	F. O. Norton.
Quinn Riv. Ranch**	Humboldt	4,850	13	....	....	....	....	....	....	....	14	....	....	....	....	....	....	....	....	....	F. M. Payne.
Rebel Creek	do	4,300	3	^{n}39.0	....	^{n}68	2	^{n}11	13	^{n}36	4	0.54	....	0.20	3.5	7	....	....	....	sw.	Fred Whitaker.
Rhyolite	Nye	3,680	2	50.0	....	76	1	23	12	30	2	T.	....	T.	0	0	16	12	2	s.	Secretary School Board.
Sand Pass	Washoe	4,198	2	40.2	....	70	†1	12	13	40	2	0.23	....	0.18	0.1	4	12	6	12	w.	R. R. Mott.
Searchlight	Clark	3,445	2	51.4	....	77	†1	30	14	24	2	0.65	....	0.65	0	1	15	5	10	n.	C. L. Aug. Mahn.
Sharp	Nye	6,200	2	38.3	....	68	4	6	14	55	2	0.38	....	0.38	0	1	11	13	6	w.	F. A. Sears.
Sulphur	Humboldt	4,044	2	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	Western Pacific Co.
Tonopah	Nye	6,090	10	40.9	....	64	1	14	13	22	10	T.	....	T.	0	0	10	8	12	se.	U. S. Weather Bureau.
Vya	Washoe	5,500	2	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	W. N. Lord.
For the State			....	40.1	+0.9	88	4	−7	14	56	....	0.47	−0.20	2.00	3.0	3	11	9	10	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post office addresses of these stations are as follows: Of Jack Creek, Tuscarora; of Clover Valley, Wells; of Dry Farm, Lamoille; of Marlette Lake, Virginia City; of Woodfords, Cal., Sheridan, Nev.; of Shield's Ranch, Coleville, Cal.; of Indian Springs, Las Vegas; of Columbia, Goldfield; of Duck Flat, Gerlach; of Oasis Ranch, Oasis, Cal.; of Pahrump, Shoshone, via Tecopa, Cal.; of Pyramid (near), Reno; of Quinn River Ranch, Amos.

Reference letters ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing, for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for November, 1915.

Stations.	Day of month																															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Columbia Basin.																																
Gold Creek										.25	.08	.06	.02			.16	.05			*	.08			.75					.12			1.57
Jack Creek								T	T	.29	.10	.19	.28		T	.18	.09			.13	T			.76		.15			.27			2.44
Owyhee				.02					.02	.10		.10							.10			.10			.25			.10				0.79
San Jacinto																																
Humboldt Basin.																																
Arthur									*	.25						.08				.12				.35	.40	.25			.42	T		1.87
Austin ‖									T														.01			T						0.01
Battle Mountain ‖												.10	T		T																	0.10
Beowawe ‖									.10						.05								.10	.05								0.30
Carlin									T															.01								0.01
Clover Valley									T	T	.04	.05				.15					.20			.48	.08	.45				.12		1.57
Dry Farm								.03	.07		.05				.03					T			.31			.03						0.52
Elko								T			T	T				T								.36		T			.07			0.43
Eureka									.15			.10				.10								.02		.02						0.39
Golconda									T			T											.20									0.20
Halleck												.05	.05										.15									0.25
Hylton									.05	.05		.05				.05								.13		.12						0.45
Imlay										T		T								T				T	T	T			T			T
Lovelocks																																
Metropolis									T	T		.05				.02				.10				.07		.15			T			0.39
North Fork											.04	.08				.09					.08			.09	.09							0.47
Paradise Valley										T		.10			.05					.10	.05			.02	.10	T			T			0.42
Potts									T															T								T
Shafter																																
Tecoma																T				.32					.02							0.34
Wells									T			.08			.10								.02	.05					T			0.25
Winnemucca***									T	T		.06				.03				.01	T		.18	.06	T	T			.04			0.38
Truckee Basin.																																
Fernley								.80																								0.80
Glenbrook								.25	.10																							0.35
Marlette Lake ‖									.94	.16													.50									1.60
Reno***								.05	.15			T											.08	T				T	T			0.28
Bijou, Cal.								.03	.51	.05														.31		T						0.90
Fallen Leaf, Cal.								T	.40														.05	.10		.30						0.85
Hobart Mills, Cal.								T	1.20							.10							.48	T		T			.06			1.84
McKinney, Cal.								.03	1.11							.06							.16	.39	.02	.24			.02			2.03
Tahoe, Cal.								.07	1.64							.22							.34	T		.16			T			2.43
Tallac, Cal.								.01	.04						T											T			T			0.05
Carson Basin.																																
Fallon									T															.01					.08			0.09
Gardnerville									.20	.08																						0.28
Lahontan ‖									T			T																	.02			0.02
Markleeville, Cal.									.46														.17			T						0.63
Woodfords, Cal.								.40																								0.40
Walker Basin.																																
Mina																																0.00
Smith									.18												T											0.18
Thorne									T																							T
Yerington									.03																							0.03
Bridgeport, Cal.									.40															T								0.40
Shields Ranch, Cal.									.49														T	T		T						0.49
Colorado Basin.																																
Caliente						.70		.03																								0.73
Indian Springs																																
Las Vegas						.75																										0.75
Logan						2.00																										2.00
Pioche						.97	.30																									1.27
Minor Basins.																																
Belmont																																
Cherry Creek						T	T		.02							.05								.02		.11						0.20
Columbia																																0.00
Duck Flat									.06			.14	T			.09				T			.10	T								0.39
Francis									.08			.01											.06	.06		T						0.21
Gerlach								.04												T				.24		T						0.28
Jean																																
Jungo									T							T								T					T			T
Lida									.15																							0.15
McDermit									.05	.08		.20								T			.05			T						0.38
McGill						.02	.06		.11	T						T								T		.05						0.24
Millett																																0.00
Oasis Ranch																																0.00
Pahrump																																
Pyramid																																
Quinn River Ranch																																
Rebel Creek									.03	.04	T	.20								.10	.05			.02	.10	T			T			0.54
Rhyolite						T	T			T																						T
Sand Pass									.01	T						.03				T		T		.18	.01		T		T			0.23
Searchlight						.65																										0.65
Sharp						.38																										0.38
Sulphur																																
Tonopah***																										T						T
Vya																																

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight.

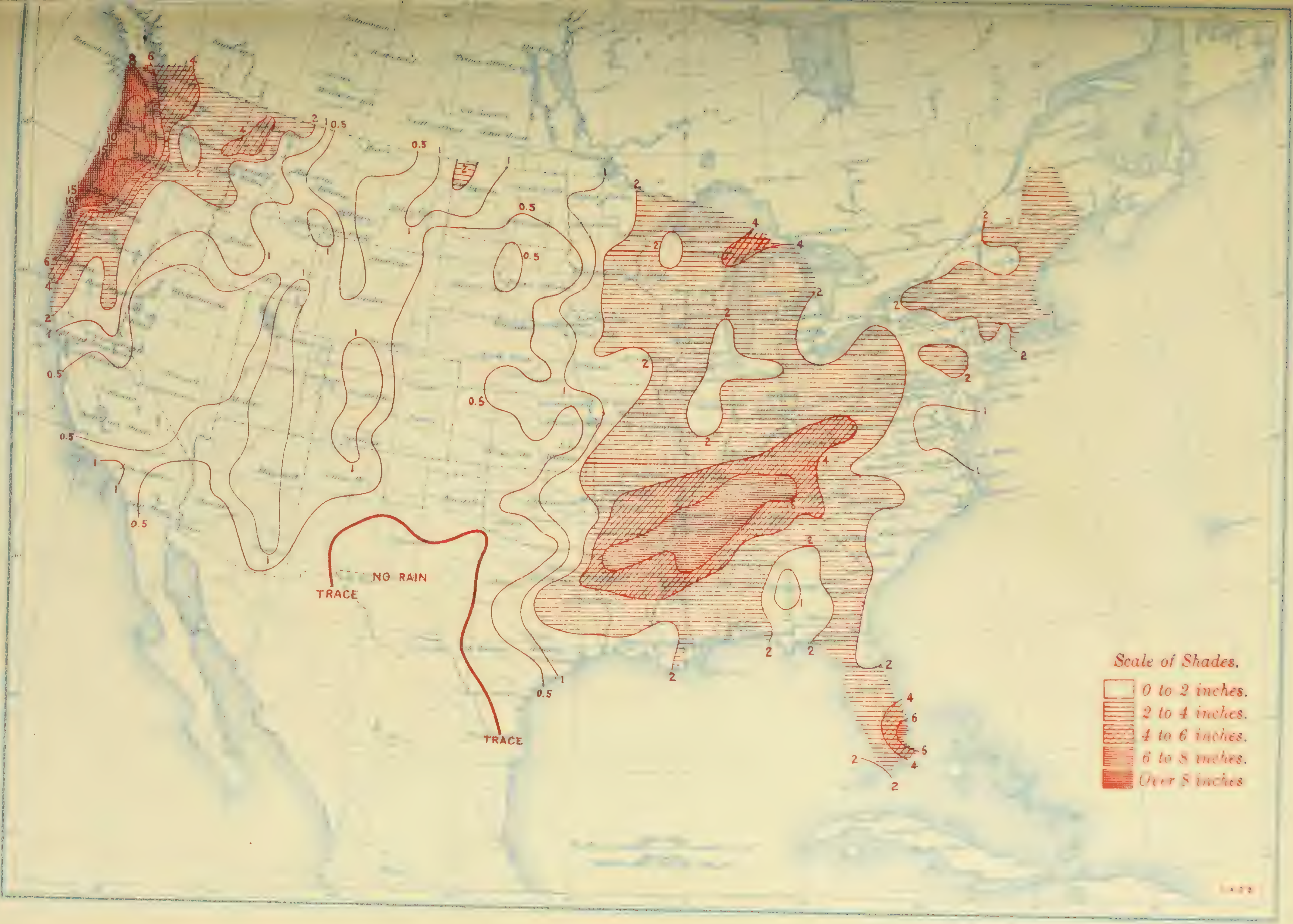
‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

T. Trace, or less than 0.01 inch.

Daily temperatures for November, 1915.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek	Maximum..	50	52	59	53	59	45	36	45	30	35	37	13	9	25	34	24	30	34	45	38	41	48	47	34	23	32	26	34	33	35	....	36.9
	Minimum..	26	25	32	43	25	23	18	27	28	15	17	12	2	−7	9	2	−1	22	18	35	35	23	38	13	−3	13	−2	−6	−3	25	....	16.8
Owyhee	Maximum..	65	65	62	64	64	59	47	53	47	35	33	31	26	38	42	46	45	49	54	54	50	58	56	52	18	42	54	42	42	40	....	48.8
	Minimum..																																
San Jacinto	Maximum..																																
	Minimum..																																
Humboldt Basin.																																	
Austin	Maximum..	66	67	62	68	66	62	50	51	....	41	39	34	38	50	57	35	45	57	64	57	52	53	53	42	40	45	40	41	47	53	....	51.0
	Minimum..	34	44	41	38	35	27	29	26	....	8	13	11	10	24	25	16	19	33	40	38	32	34	18	15	34	19	21	20	26	33	....	26.3
Beowawe §§	Maximum..	60	62	65	69	71	63	58	57	46	36	46	35	33	43	49	39	39	49	57	56	49	57	62	40	52	45	40	36	56	54	....	50.8
	Minimum..	22	24	37	27	23	21	24	31	22	11	22	13	6	13	19	6	13	18	35	24	19	18	22	19	26	11	14	10	19	16		19.5
Carlin	Maximum..																																
	Minimum..																																
Clover Valley	Maximum..	68	69	69	72	73	61	55	52	46	42	45	35	38	37	48	45	44	54	51	60	57	67	64	52	42	45	42	42	52	59	....	52.9
	Minimum..	30	29	40	47	37	31	30	21	29	17	17	24	8	3	12	27	8	28	31	20	36	33	34	23	11	33	10	5	26	30	....	25.2
Dry Farm	Maximum..	75	68	66	60	67	58	52	48	35	38	37	30	42	46	61	52	55	63	62	58	62	62	31	41	47	36	35	50	48	43	....	50.9
	Minimum..	35	36	45	47	38	33	35	27	20	19	23	11	7	20	25	10	36	39	38	46	43	47	21	18	34	13	11	20	30	22	....	28.3
Elko	Maximum..	60	63	65	61	67	63	55	54	40	43	34	41	33	39	42	40	44	54	54	55	58	60	58	56	40	42	37	33	48	48	....	49.6
	Minimum..	19	22	39	39	29	21	23	32	23	15	7	16	13	2	13	30	25	25	18	39	39	11	23	24	9	30	12	5	21	23	....	21.6
Eureka	Maximum..	65	68	64	69	67	57	56	52	42	38	44	40	31	48	52	43	49	58	65	56	59	66	53	46	44	50	39	43	51	54	....	52.3
	Minimum..	31	46	45	47	38	38	28	28	27	13	5	14	15	5	17	24	12	24	32	33	34	32	40	20	14	33	18	16	28	26	..	26.1
Golconda	Maximum..	60	60	58	62	60	62	60	57	55	40	34	32	28	32	45	40	42	50	58	58	54	53	52	38	46	48	32	35	35	40	..	47.5
	Minimum..	32	36	29	32	28	22	22	22	20	16	10	6	13	22	14	8	20	25	45	40	28	36	24	25	25	20	19	21	20	26	....	23.6
Imlay	Maximum..	68	70	64	65	70	71	55	58	47	38	50	41	39	48	51	51	49	61	62	57	65	60	66	53	55	52	42	38	47	52	...	54.8
	Minimum..	33	34	35	34	33	34	18	16	28	13	8	20	0	7	15	31	10	16	16	43	42	18	36	22	29	28	16	12	30	16	....	23.1
Paradise Valley	Maximum..	60	54	62	65	66	62	52	63	56	44	42	42	33	36	45	40	45	55	52	56	58	64	63	50	52	46	39	40	41	49	...	51.1
	Minimum..	27	25	28	32	22	22	12	13	20	25	12	27	−5	4	10	27	10	8	8	21	20	8	18	19	22	28	12	9	20	16	....	17.3
Potts	Maximum..	62	63	63	62	62	55	60	49	42	32	33	35	28	45	45	42	45	55	56	57	62	60	52	48	46	47	38	47	50	48	....	49.6
	Minimum..	21	22	29	47	32	24	29	25	25	5	3	12	1	0	12	30	6	15	22	31	34	21	22	19	9	28	26	4	26	14	....	19.9
Tecoma	Maximum..	67	65	60	64	65	60	58	56	52	42	40	35	30	32	40	32	40	52	55	65	64	65	62	51	32	42	31	22	38	47	....	48.8
	Minimum..	22	20	27	29	30	22	20	18	16	21	19	12	11	2	18	16	5	20	12	32	30	25	23	22	12	22	8	1	5	19	...	18.0
Wells	Maximum..	70	72	70	66	68	70	68	65	60	36	28	35	33	42	44	33	40	50	52	60	60	58	49	35	35	40	39	37	50	50	...	50.5
	Minimum..	25	26	28	25	26	27	25	23	11	19	10	8	−2	10	30	−4	10	12	10	35	28	29	32	18	15	10	12	20	32	20	....	19.0
Winnemucca	Maximum..	64	59	61	66	68	62	54	58	46	39	44	38	38	40	50	48	43	61	63	56	59	65	64	36	50	43	41	39	47	50	....	51.7
	Minimum..	28	28	35	28	32	23	20	19	27	19	14	20	2	10	16	20	14	21	24	42	30	22	33	21	26	20	19	18	28	20	....	22.6
Truckee Basin.																																	
Fernley	Maximum..	68	70	66	65	75	64	59	50	41	50	46	46	43	48	54	51	..	..	....	77	68	73	65	54	60	55	48	44	58	54	....	57.5
	Minimum..	38	30	29	22	24	25	22	20	20	16	15	20	10	13	19	33	....	....	....	27	27	23	41	27	27	32	20	16	33	21	..	24.1
Glenbrook	Maximum..	72	72	68	66	65	66	64	60	54	50	38	43	48	47	47	48	49	49	55	54	55	57	54	52	50	55	45	47	46	48	....	54.1
	Minimum..	31	32	36	30	30	30	30	28	30	14	20	16	20	25	26	27	25	28	32	30	35	33	25	24	30	32	21	24	32	31	....	27.6
Reno	Maximum..	72	69	68	66	71	65	56	55	36	40	46	41	42	49	55	51	59	62	65	63	63	69	60	40	53	51	45	43	56	57	....	55.6
	Minimum..	36	40	42	38	36	32	32	31	23	19	16	23	13	17	22	32	26	27	31	47	40	31	31	25	31	34	26	22	33	27	....	29.4
Fallen Leaf, Cal.	Maximum..	66	62	58	60	65	55	48	45	36	34	42	39	34	48	48	45	49	49	57	55	52	60	50	34	40	39	40	48	47	49	....	48.5
	Minimum..	38	45	48	45	38	35	36	35	23	14	15	22	19	22	27	29	28	29	34	39	15	44	32	18	22	32	20	25	34	29	....	30.7
Tahoe, Cal.	Maximum..	65	63	64	64	63	57	50	45	35	43	42	36	35	40	50	43	51	51	60	53	52	59	42	36	40	42	40	49	46	48	. .	48.8
	Minimum..	27	34	38	42	29	27	27	23	22	8	3	9	5	8	10	27	18	23	25	28	28	28	33	14	18	32	14	21	32	24	....	22.6
Carson Basin.																																	
Fallon	Maximum..	66	73	67	68	72	65	60	63	54	44	49	45	41	48	55	53	59	60	57	62	63	72	68	54	59	59	49	49	60	54	....	58.3
	Minimum..	30	33	39	34	33	29	25	21	30	26	14	13	9	13	14	39	15	20	24	35	25	23	32	23	24	28	15	14	33	21	....	24.5
Gardnerville	Maximum..	....	72	66	65	70	66	....	....	59	43	45	46	42	....	55	56	60	58	67	66	....	70	....	63	....	....	....	....	55	56	....	59.0
	Minimum..	....	29	39	39	28	26	....	....	24	16	15	18	11	....	13	40	20	20	27	29	....	32	....	26	....	....	....	....	16	20	....	24.1
Lahontan §§	Maximum..	66	72	69	69	74	66	62	61	43	43	50	43	42	43	49	55	48	60	61	56	61	65	71	65	44	58	56	45	43	59	....	56.6
	Minimum..	43	43	39	39	36	33	26	29	23	20	23	11	19	19	25	25	24	28	36	37	35	32	40	25	31	37	23	20	30	29	....	29.3
Walker Basin.																																	
Mina	Maximum..	72	71	70	74	69	70	60	60	54	42	45	46	47	49	55	53	58	65	63	62	65	69	70	55	50	53	50	50	53	59	....	58.6
	Minimum..	40	38	33	51	32	32	31	32	36	25	15	14	13	12	12	47	22	20	34	32	30	26	24	26	20	27	23	20	24	28	....	27.3
Thorne	Maximum..	69	70	72	75	72	66	67	66	62	54	49	48	43	52	56	55	56	58	63	64	64	65	65	70	69	71	71	67	59	56	...	62.5
	Minimum..	46	45	42	50	37	37	34	12	23	27	16	27	16	17	18	20	22	19	27	17	35	35	37	45	40	38	35	38	18	18	....	29.7
Yerington	Maximum..	66	71	67	67	68	64	56	57	48	43	47	45	40	42	50	52	56	58	58	60	69	64	60	45	59	43	43	48	56	54	....	55.2
	Minimum..	25	29	36	26	26	25	18	10	25	12	5	8	8	15	25	32	25	15	24	29	23	29	25	26	11	10	10	15	24	20	....	20.4
Bridgeport, Cal.	Maximum..	62	65	60	65	62	60	51	50	39	29	32	37	28	37	45	44	47	51	60	60	58	60	52	43	53	48	40	56	55	52	....	50.0
	Minimum..	18	20	30	34	19	19	19	25	19	−18	−14	−7	−8	−2	15	22	14	13	20	25	29	25	27	19	16	32	16	13	24	15	....	16.0
Colorado Basin.																																	
Las Vegas	Maximum..	83	83	82	87	86	73	72	69	63	61	61	61	57	57	67	65	65	70	71	64	68	74	77	70	69	64	67	71	70	71	....	69.9
	Minimum..	50	42	45	45	45	44	44	41	42	41	33	24	37	23	25	33	34	30	34	38	37	33	32	36	31	31	28	32	30	32	....	35.7
Logan	Maximum..	83	82	85	88	87	68	69	70	68	61	59	60	55	57	65	63	65	70	73	67	67	73	67	64	60	61	66	64	66	69	....	68.4
	Minimum..	40	44	45	47	44	57	51	47	51	42	32	29	37	25	28	34	34	30	33	39	36	33	36	40	29	32	28	32	31	29	....	37.2
Pioche	Maximum..	77	69	73	69	69	67	67	57	52	46	42	45	47	47	52	59	49	59	62	61	61	61	54	48	50	50	51	52	53	59	....	56.9
	Minimum..	33	38	39	41	40	39	37	36	33	21	16	15	13	11	19	32	19	22	29	32	31	30	36	28	14	21	20	13	22	27	....	26.9
Minor Basins.																																	
Belmont	Maximum..																																
	Minimum..																																
Cherry Creek	Maximum..	60	67	63	69	65	59	50	51	45	31	35	38	26	43	51	45	44	55	61	54	62	62	55	48	40	38	44	37	50	50	....	49.9
	Minimum..	28	36	46	47	42	36	36	28	27	19	12	23	14	2	18	29	9	27	31	44	34	32	40	25	15	17	17	6	30	26	....	26.5
Columbia	Maximum..	70	67	64	67	66	60	58	50	47	39	43	46	37	50	56	55	52	59	65	62	58	67	59	48	47	55	45	48	47	56	....	54.8
	Minimum..	33	46	43	44	37	37	36	38	30	18	14	16	11	12	18	32	22	26	30	34	40	30	40	24	18	25	18	18	24	24	..	27.9
Gerlach	Maximum..	65	59	64	63	71	61	58	50	45	44	41	45	45	57	45	57	52	....	58	58	....	64	63	48	52	48	54	....	....	....	....	54.7
	Minimum..	25	30	40	28	29	24	20	18	17	18	12	21	20	21	20	42	42	....	53	....	....	....	42	26	31	30	24	....	....	....	....	27.5
Lida	Maximum..	74	71	70	73	68	59	55	50	45	40	45	43	47	39	48	53	56	54	60	64	61	65	63	57	46	49	54	50	50	56	....	55.5
	Minimum..	34	34	33	34	34	29	31	30	30	18	11	11	12	16	9	19	31	29	25	29	32	29	25	27	16	19	21	16	22	30	....	24.5
McDermit	Maximum..	58	64	64	65	61	58	50	55	48	33	38	40	33	38	41	43	46	54	50	53	61	59	52	54	47	46	39	42	40	51	....	49.4
	Minimum..	34	35	42	37	31	22	16	27	28	15	19	20	3	10	18	25	26	30	33	31	26	34	18	40	20	30	20	14	26	26	....	25.2
McGill	Maximum..	67	77	65	68	66	59	53	43	44	32	35	39	28	45	53	42	50	57	62	56	51	55	64	50	45	50	36	45	54	52	....	51.4
	Minimum..	28	44	44	46	47	41	38	34	26	18	8	20	18	5	14	28	12	22	33	44	38	35	30	22	17	30	11	13	12	27	....	26.8
Millett	Maximum..	65	70	67	70	69	60	57	55	45	37	41	43	35	46	50	49	50	60	65	64	68	70	69	55	54	51	44	39	51	53	....	55.1
	Minimum..	20	27	49	49	37	26	36	30	30	14	2	21	0	0	4	34	7	10	13	43	35	30	28	25	34	12	12	3	23	11	....	22.2
Oasis Ranch	Maximum..	58	59	55	58	55	54	48	45	44	46	45	45	42	43	53	58	55	58	61	61	60	66	62	50	52	55	52	50	49	54	....	53.1
	Minimum..	18	34	32	37	27	23	24	23	13	15	12	14	18	9	10	32	22	19	18	36	28	23	33	32	32	14	20	12	16	14	....	22.0
Quinn River Ranch	Maximum..																																
	Minimum..																																
Rebel Creek	Maximum..	66	68	64	65	66	64	52	56	50	32	39	41	34	40	46	45	46	....	....	....	....	....	....	....	....	....	....	....	....	....	....	51.4
	Minimum..	38	32	41	39	31	29	22	36	30	17	23	25	11	13	21	28	17	....	....	....	....	....	....	....	....	....	....	....	....	....	....	26.
Rhyolite	Maximum..	76	74	71	75	74	67	67	56	54	51	51	53	48	54	48	60	61	67	69	62	65	69	63	56	54	57	55	57	66	67	....	61.
	Minimum..	47	54	50	50	52	47	45	40	32	31	27	23	26	24	28	38	35	38	40	46	42	48	42	40	29	30	33	31	42	38	....	38.
Sand Pass	Maximum..	70	67	70	66	67	66	59	58	45	40	48	43	44	47	50	50	54	59	62	60	62	40	48	41	53	53	45	42	48	51	....	53.
	Minimum..	33	33	41	34	33	32	19	35	30	20	14	30	12	13	20	36	23	24	26	42	32	20	14	28	34	30	26	20	28	19	....	26.
Searchlight	Maximum..	77	75	76	77	73	65	61	60	53	49	48	55	42	47	56	60	53	60	65	67	67	68	65	56	54	53	53	50	56	62	...	60.1
	Minimum..	53	52	53	55	55	50	46	43	44	35	31	34	33	30	39	39	39	39	49	53	48	45	44	45	32	37	34	36	43	41	....	42.
Sharp	Maximum..	66	65	62	68	67	56	52	48	46	50	52	40	30	40	50	51	46	59	63	65	55	55	55	40	47	47	40	40	40	42	....	51.
	Minimum..	33	33	35	46	40	30	38	28	26	24	26	20	12	6	15	32	22	27	29	32	29	27	26	25	12	22	20	10	20	18	....	25.
Sulphur	Maximum..																																
	Minimum..																																
Tonopah	Maximum..	64	62	60	63	61	56	51	46	42	33	36	38	33	42	51	46	46	53	59	59	55	62	54	40	42	48	37	42	45	50	...	49.
	Minimum..	47	46	45	46	46	42	37	33	23	18	18	20	14	21	29	29	27	38	41	43	44	41	38	21	24	29	22	26	34	35	....	31.

§§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


NO RAIN
TRACE
TRACE
Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.

UNIVERSITY OF ILLINOIS
URBANA

NNE Stack

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

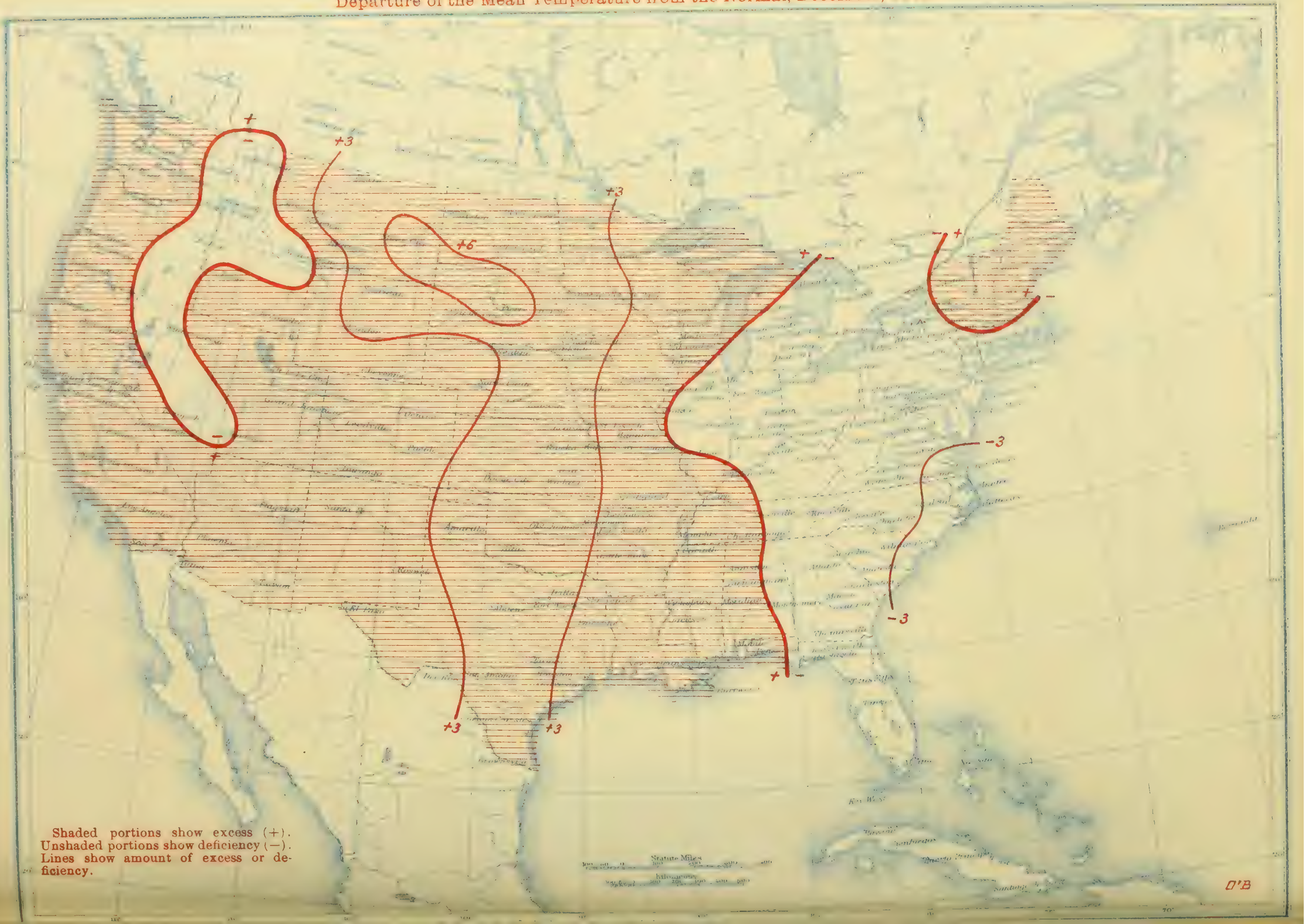
NEVADA SECTION

DECEMBER, 1915

BY
HENRY F. ALCIATORE
SECTION DIRECTOR

RENO, NEV.
WEATHER BUREAU OFFICE
JANUARY, 19, 1916.

Departure of the Mean Temperature from the Normal, December, 1915.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALCIATORE, Section Director.

Vol. XXX. Reno, Nevada, December, 1915. No. 12.

GENERAL SUMMARY.

The month was somewhat warmer than usual and more or less unsettled. There were two well marked periods of very cold weather and three very warm ones. Minimum temperatures ranging from 1° to 28° below zero were recorded in some of the northeastern and central districts during the second and last decades. The mean temperatures were above normal in all basins, particularly the Truckee, Carson, and minor. The highest maximum, 81°, and the lowest minimum, —28°, were not unusual for December.

Rain or snow fell in some part of the State almost daily, but the bulk of the month's precipitation occurred during the wet periods from the 2d to the 4th, 9th to 15th, and 25th to 29th. The monthly fall ranged from less than one-tenth inch in the northern part of Lander County to more than six inches in the mountainous district of Douglas County. As compared with the normal there was an excess in the Carson watershed, but in all the other watersheds (at ordinary levels) the precipitation was deficient.

Snow fell in every county in the State, even as far south as Searchlight in the extreme southern corner of Clark County; the amounts ranged from 1 to more than 19 inches at low levels, and 67.5 inches at Marlette Lake, a mountain station in Douglas County, 7,900 feet above sea level. In the Lake Tahoe watershed the snowfall was 4 to 14 inches above normal at 5 stations, and from 1 to 2 inches below normal at two others; on the eastern side of the lake the fall was from 28 to 67.5 inches, and on the western side from 32 to 43 inches, the average for the whole watershed being considerably above the normal.

At the close of the month cattle and sheep were in good condition. The outlook for an ample supply of water for irrigation and other purposes in the Truckee Basin was very good.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 42 stations, was 32.7°. The mean for the 26 stations having ten or more years record was 1.8° above the normal. The highest recorded was 81° at Las Vegas, on the 2d. The lowest was —28° at San Jacinto on the 30th. The greatest daily range was 51° at Battle Mountain on the 9th. The highest monthly mean was 44.9°, at Las Vegas. The lowest monthly mean was 19.6°, at Gold Creek.

PRECIPITATION.

The average for 53 stations reporting was 0.93 inch. For the 30 stations having ten or more years record, the mean was 0.24 inch below the normal. The average amount at 2 stations in the Columbia Basin was 1.44 inches; at 17 stations in the Humboldt Basin, 0.72 inch; at 10 stations in the Truckee Basin, 1.20 inches; at 5 stations in the Carson Basin, 2.45 inches; at 6 stations in the Walker Basin, 0.95 inch; at 4 stations in the Colorado Basin, 0.58 inch; at 19 stations in the minor basins, 0.68 inch. The greatest monthly fall was 6.03 inches at Marlette Lake; the least was 0.02 inch at Battle Mountain. The average number of days with precipitation was 4.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric Pressure (sea level): Mean	Highest.	Lowest.	Mean relative humidity: 5 a. m.	5 p. m.	Wind: Average hourly velocity	Maximum velocity: Miles per hour	Direction.	Date.
Reno	30.10	30.62	29.42	74	53	6.1	44	s	[illegible]
Winnemucca	30.12	30.65	29.45	80	68	6.4	52	sw	[illegible]
Tonopah	30.11	30.57	29.55	74	59	10.5	40	nw	[illegible]

SUNSHINE AND CLOUDINESS.

At Reno 57 per cent of the possible sunshine was recorded; at Winnemucca, 48 per cent; at Tonopah, 58 per cent. For the State, the average number of clear days was 12; partly cloudy, 9; cloudy, 10.

MISCELLANEOUS PHENOMENA.

(Dates of)

Brisk Winds.—2, 3, 4, 5, 6, 7, 8, 9, 15, 16, 20, 25, 26, 27, 28, 29, 30, 31.

Solar Halos.—8, 16, 24, 31.

Lunar Halos.—3, 11, 13, 15, 17, 22, 24.

Sleet.—9, 14, 25, 29.

COMPARATIVE DATA FOR DECEMBER.

Year.	Temperature: Mean.	Highest.	Lowest.	Average precipitation.	Average snowfall.	Number of days: With precipitation.	Clear.	Partly cloudy.	Cloudy.	Prevailing wind.
1889	34.4	70	-20	4.09	23.0	13	4	6	21	s
1890	35.1	73	0	1.00	1.0	5	11	9	11	sw
1891	26.3	66	−33	2.75	22.3	8	8	9	14	n
1892	30.4	63	−23	1.23	4.0	5	8	6	17	s
1893	34.3	72	−15	0.69	5.2	4	13	7	11	s
1894	27.6	64	−32	2.50	19.7	9	7	8	16	w
1895	28.0	78	−34	0.42	5.9	4	12	10	9	n
1896	34.6	73	−10	0.40	2.3	2	14	10	7	s
1897	29.1	69	−14	1.06	4.9	4	13	7	11	w
1898	25.3	70	−15	0.48	2.8	3	16	7	8	n
1899	28.4	68	-25	1.15	8.1	4	14	7	10	ne
1900	33.1	71	−12	0.19	0.9	1	14	6	11	sw
1901	32.5	78	−19	0.69	2.2	3	17	7	7	sw
1902	33.7	78	− 2	0.35	0.9	2	13	7	11	sw
1903	30.4	71	− 9	0.14	1.2	1	20	6	5	n
1904	33.3	76	−23	0.51	3.1	2	14	6	11	n
1905	22.5	68	−21	0.60	6.4	3	15	7	9	sw
1906	33.5	74	−21	1.91	12.7	6	8	10	13	s
1907	35.6	78	11	1.47	6.2	5	10	10	11	sw
1908	27.6	67	−20	0.19	1.6	1	15	8	8	w
1909	23.3	70	−25	1.54	7.4	6	10	7	14	n
1910	33.1	91	8	1.15	4.3	5	13	8	10	w
1911	26.4	69	−31	0.46	6.0	3	15	9	7	sw
1912	29.8	68	−16	0.23	2.0	2	17	7	7	w
1913	28.7	69	−22	1.53	8.1	5	12	9	10	w
1914	24.5	69	−27	0.54	5.6	4	14	7	10	sw
1915	32.7	81	−28	0.93	5.9	4	12	9	10	w
Entire period	30.2	91	−34	1.04	6.4	4	12	8	11	sw

CORRECTIONS.

December, 1914, report.—Page 91, under "Sunshine and Cloudiness," the average number of days with precipitation should be 4.

November, 1915, report.—Page 84, Cherry Creek, mean temperature should be 38.2.

LATE REPORTS.

November, 1915.—Vya, total precipitation, 0.72; number of days with precipitation, 6; clear, 3; partly cloudy, 7; cloudy, 20.

Climatological data for December, 1915.

Stations	Counties	Elevation, feet.	Temperature, in degrees Fahr.								Precipitation, in inches.					Number of days				Prevailing direction of the wind.	Observers.
			Length of record, years.	Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted.)	With precipitation (0.01 inch or more.)	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek	Elko	6,600	2	19.6	...	43	4	20	29	34	2	0.78	...	0.28	19.5	7	12	3	16	n.	Forest Supervisor.
Jack Creek	do	6,300									2	2.09	...	0.60	15.0	11	13	7	11	...	C. E. Butler.
Owyhee	do	5,400	4								4										Indian Service.
San Jacinto	do	5,200	10	^{k}23.2	+0.3	^{k}50	22	^{k}28	30	^{k}11	10									sw.	Utah Construction Co.
Humboldt Basin.																					
Arthur	Elko	6,500									5	1.30	+0.09	0.35	9.5	5	7	19	5	nw.	Isaac Woodhouse.
Austin	Lander	6,594	26	28.2	−2.4	56	22	−6	30	36	26	1.31	+0.12	0.42	16.0	8	21	7	3	...	Forest Service.
Battle Mountain	do	4,513	44	34.0	+3.1	60	†1	10	30	51	46	0.02	−0.77	0.02	0.5	1	10	9	12	...	Southern Pacific Co.
Beowawe	Eureka	4,695	44	29.6	+0.1	59	5	9	30	44	46	0.42	−0.41	0.17	T.	3	10	0	21	nw.	Do.
Carlin	Elko	4,896	44								44										Western Pacific Co.
Clover Valley**	do	6,000	14								22										I. F. Wiseman.
Dry Farm **	do	5,600	3	30.8	...	55	†4	13	30	29	6	0.82	−0.35	0.22	1.0	6	10	14	7	sw.	Walfrid Sohlman.
Elko	do	5,063	44	28.4	+1.3	53	6	16	31	44	45	1.25	+0.16	0.75	3.0	5	11	9	11	w.	Western Pacific Co.
Eureka	Eureka	6,837	17	30.5	−0.5	57	†1	12	30	36	19	0.63	−0.34	0.25	14.0	5	8	9	14	n.	Clay Simms.
Golconda	Humboldt	4,392	36	30.0	0.9	58	3	−6	30	30	38	0.22	−0.61	0.20	4.2	2	14	7	0	...	Southern Pacific Co.
Halleck	Elko	5,229									46									...	Do.
Hylton	do	7,081									5	0.98	...	0.30	5.5	5	21	9	1	...	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	2	34.9	+2.6	65	†9	6	31	46	2	0.65	−0.04	0.35	0	2	9	4	18	...	Southern Pacific Co
Lovelocks	do	3,977	21								19										High School.
Metropolis §	Elko	5,661	2								6	0.39	−0.65	0.16	4.0	4					L. F. Hatch.
North Fork	do	6,500									6	0.88	...	0.30	10.0	4	2	10	19	s.	Chas. Pratt.
Paradise Valley	Humboldt	4,500	2	29.6	...	58	7	−12	31	41	6	1.11	...	0.85	1.9	7	12	9	10	nw.	R. M. Taylor.
Potts	Nye	6,002	22	24.8	+0.5	60	1	−15	30	43	24	0.34	−0.12	0.12	8.5	1	8	6	17	n.	Miss Maud Potts.
Shafter §	Elko	5,583	2								2									...	Geo. Kernan.
Tecoma	do	4,812	37	24.9	−0.3	55	†21	−18	30	42	39	0.15	−0.40	0.10	2.5	3	6	13	12	...	Southern Pacific Co.
Wells	do	5,631	43	28.0	+3.8	46	7	−5	18	42	46	0.39	−0.75	0.15	8.0	6	10	13	8	...	Do.
Winnemucca	Humboldt	4,344	36	30.7	0.0	60	3	−6	31	31	46	1.22	+0.23	0.95	0.3	7	5	9	17	ne.	U. S. Weather Bureau.
Truckee Basin.																					
Fernley	Lyon	4,150	42	35.6	+3.7	65	8	8	27	38	46	0.76	+0.24	0.43	0	2	17	6	8	...	Mrs. G. A. Steele.
Glenbrook	Douglas	6,240	6	31.8	...	49	6	−5	29	43	6	4.14	...	2.05	28.0	4	11	17	3	w.	C. C. Henningsen.
Marlette Lake**	do	7,900									2	6.03	...	2.85	67.5	6	11	2	18	w.	V. & G. H. Water Co.
Reno	Washoe	4,532	28	36.3	+2.6	66	8	4	31	38	28	1.09	−0.58	0.61	0.5	5	10	10	11	w.	U. S. Weather Bureau.
Bijou, Cal.		6,230									6	4.43	...	1.39	28.9	8	3	19	9	sw.	Chas. Young.
Fallen Leaf, Cal.		6,400	3	31.0	...	50	†1	1	30	28	3	4.28	...	2.20	39.0	9	15	9	7	s.	W. W. Price.
Hobart Mills, Cal.		5,900									6	4.73	...	1.34	32.0	7	14	6	11	n.	S. E. Patterson.
McKinney, Cal.		6,225	6								6	6.21	...	1.87	42.9	13	17	5	9	w.	Fred Jensen.
Tahoe, Cal.		6,240	7	29.4	...	52	8	−3	†29	38	7	6.20	...	2.46	42.0	7	10	11	10	w.	Mrs. Northrup A. Pomin.
Tallac, Cal.		6,230									6	4.18	...	1.40	33.0	11	9	13	9	sw.	Willis D. Sloan.
Carson Basin.																					
Fallon	Churchill	3,965	21	35.3	+3.3	62	3	1	31	33	21	0.79	+0.21	0.46	T.	4	10	13	8	n.	U.S. Experiment Station.
Gardnerville	Douglas	4,830	24	^{j}35.1	+2.9	^{j}60	8	^{j}2	31	^{j}40	25	2.32	+0.27	1.07	6.5	6				sw.	Forest Service.
Lahontan	Churchill	4,200	3	35.4	...	59	†3	2	30	35	5	0.92	...	0.58	0	2	12	11	8	w.	U.S. Reclamat'n Service.
Markleeville, Cal.		5,525									6	4.33	...	1.70	14.0	8	9	8	14	s.	Mrs. Mary Thornburg.
Woodfords, Cal.**		5,634									6	3.82	...	1.60	13.0	9	11	9	11	sw.	Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	8	37.8	+3.0	60	22	1	30	39	19	0.30	−0.12	0.20	1.0	2	12	3	16	...	Southern Pacific Co.
Smith	Lyon	4,800									7	1.82	...	0.70	4.5	5	6	12	13	n.	C. M. Carter.
Thorne §	Mineral	4,200	2	^{j}42.3	+6.3	^{h}66	9	^{k}17	19	^{k}11	2	0.17	−0.23	0.15	3.0	2				s.	Southern Pacific Co.
Yerington §	Lyon	4,375	6	32.4	+0.7	59	8	−6	31	40	6	0.54	+0.06	0.22	2.5	4	20	3	8	sw.	High School.
Bridgeport, Cal.		6,500	2	27.0	...	51	23	−4	31	33	4	0.40	...	0.15	8.0	3	12	5	14	n.	A. F. Scott.
Shields Ranch, Cal.**		5,300									6	2.49	...	0.95	10.0	6	13	7	11	...	Frank W. Chichester.
Colorado Basin.																					
Caliente §	Lincoln	4,407	5	29.4	1.9	50	1	8	30	37	5	0.27	−1.37	0.15	1.0	3	21	7	3	n.	Salt Lake Route.
Indian Springs §**	Clark	3,136	2								2									...	Ira McFarland.
Las Vegas	do	2,033	13	44.9	+3.9	81	2	20	†30	17	13	0.75	−0.40	0.70	5.0	3	17	5	9	nw.	C. P. Squires.
Logan §	do	1,355	8	44.3	+1.2	72	1	20	19	41	16	0.16	−0.30	0.08	T.	3	14	3	14	...	Experiment Farm.
Pioche	Lincoln	6,100	17								17	1.15	−0.61	0.51	6.0	7	18	6	7	...	M. L. Lee.
Minor Basins.																					
Belmont	Nye	8,132	15								15									...	Lloyd G. Nelson.
Cherry Creek	White Pine	6,450	7	28.6	...	57	†8	−15	30	42	7	0.68	...	0.26	11.7	7	16	8	7	w.	J. H. Leishman.
Columbia**	Esmeralda	5,700	8	33.0	...	56	†7	3	31	29	10	0.55	...	0.45	6.0	2	10	15	6	nw.	A. Booth.
Duck Flat	Washoe	4,725									1									...	H. J. Muller.
Francis	do	5,350									1	1.23	...	0.97	2.3	6	16	6	9	w.	Geo. W. Barnard.
Gerlach	do	3,931	3	35.0	...	58	8	4	30	36	3	0.75	...	0.40	0	3				w.	Western Pacific Co.
Jean	Clark	2,864	7								8									...	Salt Lake Route.
Jungo	Humboldt	4,165									2	0.97	...	0.45	3.0	4	4	15	12	sw.	Western Pacific Co.
Lida §	Esmeralda	6,037	3	^{d}31.4	+3.5	^{d}60	21	^{d}4	30	^{d}46	3	0.70	+0.17	0.70	6.0	1				nw.	L. F. Detwiler.
McDermitt	Humboldt	4,700	25	30.8	−1.0	57	8	−9	31	34	25	0.78	−0.54	0.42	2.5	4	14	13	4	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	5	31.1	+3.7	58	8	15	30	49	5	0.61	−0.50	0.25	6.1	4	17	8	6	n.	R. E. Middagh.
Millett	Nye	5,040	7	29.8	...	60	2	−8	†30	48	8	0.50	...	0.35	T.	2	17	3	11	...	Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	3	34.0	+6.7	59	22	4	31	43	3	0.08	−0.45	0.08	2.0	1	16	0	15	n.	Arthur L. Stewart.
Pahrump **	Nye	2,608	2								2									...	F. A. Buol.
Pyramid (near)**	Washoe										1									...	F. O. Norton.
Quinn Riv. Ranch **	Humboldt	4,850	13		...	60	6				14	0.85	0.00	0.39	0.1	4	4	5	22	w.	F. M. Payne.
Rebel Creek	do	4,300	3	^{e}32.0	...	^{e}61	8	^{e}6	31	^{e}28	1	0.73	...	0.21	0.2	9				sw.	Fred Whitaker.
Rhyolite	Nye	3,680	2	42.8	...	69	2	18	30	32	2	0.63	...	0.55	1.0	3	16	10	5	n.	Secretary School Board.
Sand Pass	Washoe	4,198	2	35.7	...	63	8	6	†30	40	2	0.77	...	0.44	T.	6	16	7	8	sw.	R. R. Mott.
Searchlight	Clark	3,445	2	44.2	...	68	23	22	30	23	2	0.31	...	0.16	5.0	3	13	8	10	n.	C. L. Aug. Mahn.
Sharp	Nye	6,200	2	30.1	...	56	22	−1	30	32	2	0.67	...	0.25	3.5	4	20	2	9	w.	F. A. Sears.
Sulphur	Humboldt	4,044	2	33.0	...	60	3	5	30	37	2	1.06	...	1.00	1.2	3	10	15	6	...	Western Pacific Co.
Tonopah	Nye	6,090	10	31.3	...	52	23	4	31	22	10	0.68	...	0.39	6.4	4	13	8	10	se.	U. S. Weather Bureau.
Vya	Washoe	5,500	2								2	0.34	...	0.18	3.0	5	4	20	7	sw.	W. N. Lord.
For the State				32.7	+1.8	81	2	−28	30	51	...	0.93	−0.24	2.85	5.9	4	12	9	10	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post office addresses of these stations are as follows: Of Jack Creek, Tuscarora; of Clover Valley, Wells; of Dry Farm, Lamoille; of Marlette Lake, Virginia City; of Woodfords, Cal., Sheridan, Nev.; of Shield's Ranch, Coleville, Cal.; of Indian Springs, Las Vegas; of Columbia, Goldfield; of Duck Flat, Gerlach; of Oasis Ranch, Oasis, Cal.; of Pahrump, Shoshone, via Tecopa, Cal.; of Pyramid (near), Reno; of Quinn River Ranch, Amos.

Reference letters ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing, for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for December, 1915.

Stations	Day of month																															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Columbia Basin.																																
Gold Creek				.02									.12	.28	.08						.01				.08	.16						0.75
Jack Creek					.43				*	.11			*	.60	.10						.09	.11	.05		.25			.20				[illegible]
Owyhee																																
San Jacinto																																
Humboldt Basin.																																
Arthur				.30										.10			T					.55	T		.20			[illegible]				[illegible]
Austin ‖			.02	.32									.42	.30	.02										.09		.06				.08	1.31
Battle Mountain ‖			T.	T									.02									T			T			T	T			0.02
Beowawe ‖			.13	.17								T	T.	T	T						T	T			.12	T	T	T				0.42
Carlin																																
Clover Valley																																
Dry Farm				.14	.01				.08					.22								.16			.21							0.82
Elko				.08										.20								.12			.75			.10				1.25
Eureka				.10										.25	.10								T.		.06			.12				0.63
Golconda									T.					.20											.02							0.22
Halleck																																
Hylton				T.	.15					T.				.26								.12	T		.30			.15				0.98
Imlay					.30									.35								T.										0.65
Lovelocks																																
Metropolis				.12					.11				.16										T.		.10			T				0.49
North Fork				.20											.28							.10						.30				0.88
Paradise Valley				.16						.02			.48	.37			.02						T.		.02			.04				1.11
Potts				.12					T.					.08	.08										T.	.06		T				0.34
Shafter																																
Tecoma				.03																					.02			.10				0.15
Wells				.03					T.					.15									.01	.01	.10			.10				0.39
Winnemucca***			T.	.14					.06				.60	.35	T.						T	.02	T.		.02			.03				1.22
Truckee Basin.																																
Fernley				.43									.33												T			T.	T.			0.76
Glenbrook			2.05										2.00															.05	.04			4.14
Marlette Lake ‖			.22	2.40				.09					.38	2.85															.09			6.03
Reno***		T.	.44										.61	T.	T.			T.							.01			.02	.01			1.09
Bijou, Cal.		T.	1.32	.86					T.		T.		1.39	.73				.04							.04			.02	.03	T		4.43
Fallen Leaf, Cal.	.05		2.20						.33		.05	.35	.20	.95			T.	.10							.05			T				4.28
Hobart Mills, Cal.		.15	1.20	.82					.13		.04	T.	1.34	1.05	T.										T.				T			4.73
McKinney, Cal.		.06	1.26	1.14	T.	.04			.32		.03	T.	1.87	1.21			T.	.02							.05	.02		.12	.02			6.21
Tahoe, Cal.			2.46		T.				.17		.05		1.90	1.50											.08					.04		6.20
Tallac, Cal.	.08	.50	1.40						.10		.10		.50	1.10				.10							.10			.10	.10			4.18
Carson Basin.																																
Fallon		.01	T.	.46									.02	.30											T.							0.79
Gardnerville			.45	1.07									.30	T.	*	.37		.13														2.32
Lahontan ‖			.58										.34												T.			T.				0.92
Markleeville, Cal.		.21	1.70										1.13	.62	T.		T.								.02		.17	T.	.16		.32	4.33
Woodfords, Cal.		.10	1.60	.20	.05								1.45		.16													.16	.05	.05		3.82
Walker Basin.																																
Mina				.20														.10														0.30
Smith			.70										.44	.45				.10									.13	T.				1.82
Thorne				.02										T.				.15														0.17
Yerington				.03									.17	.22			.12															0.54
Bridgeport, Cal.			.15	.15									.10																T.			0.40
Shields Ranch, Cal.			.39	.58									.46	.95			.05	.06										T.				2.49
Colorado Basin.																																
Caliente				.07										T.	T.													.05	.15			0.27
Indian Springs																																
Las Vegas				.02										.03															T.	T.	.70	0.75
Logan				.08										.06																	.02	0.16
Pioche				.51	.02								.02														.10		.20	.10	.20	1.15
Minor Basins.																																
Belmont																																
Cherry Creek														.26	.10								.02		.06	.02		.12	.10			0.68
Columbia				.45														.10														0.55
Duck Flat																																
Francis			.16	.05									.72	.22											T.	T.		T.	.02	.03		1.23
Gerlach			T.	.23									.40	.12																		0.75
Jean																																
Jungo			.45						T.				.32	.15										.05								0.97
Lida				.70										T.											T	T	T		T.			0.70
McDermit				.42					.06			T.		.25						T.									.05			0.78
McGill				.18									.08	.10			T.								T.			.25				0.61
Millett				.15										T.											T.			.35	T.			0.50
Oasis Ranch				.08																												0.08
Pahrump																																
Pyramid																																
Quinn River Ranch			.33						.06				.39	.07														T.				0.85
Rebel Creek				.18					.04		.01		.24	.20	.01	T.						T.	.02		.02			.01	T.			0.73
Rhyolite				.55	.03									T.																	.05	0.63
Sand Pass			T.	.15									.44	.11								.03	.02		.02			T.				0.77
Searchlight				.16										.09																	.06	0.31
Sharp				.25										.20														.12			.10	0.67
Sulphur				1.00										.05											.01							1.06
Tonopah***				.39											T.			.17							.02			.10				0.68
Vya			.06											.18											.04	.01					.05	0.34

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight.

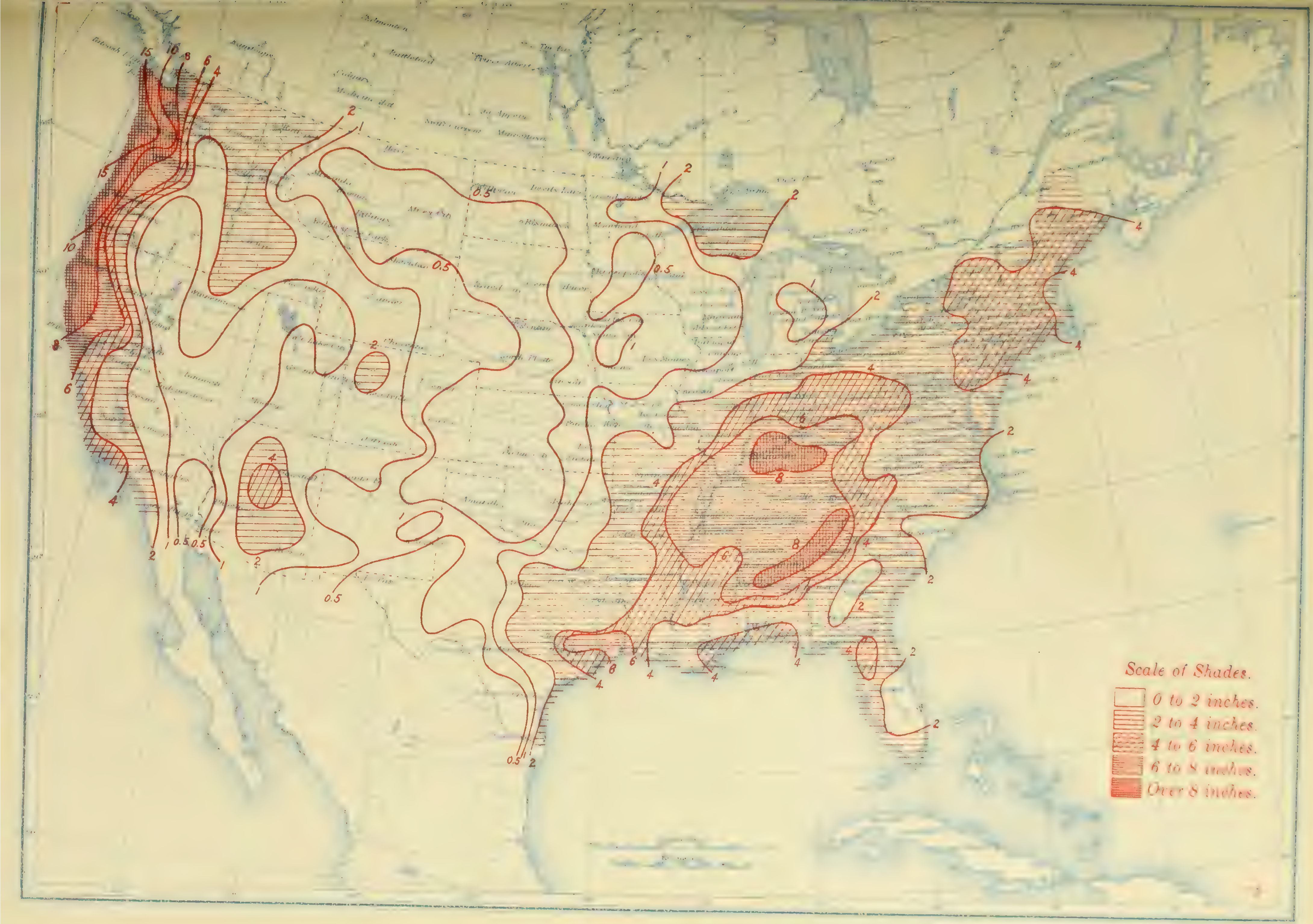
‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

T. Trace, or less than 0.01 inch.

Daily temperatures for December, 1915.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek	Maximum..	31	36	31	43	38	39	38	36	40	36	38	30	32	20	22	18	10	18	26	32	36	34	30	30	24	22	26	18	12	18	26	28.7
	Minimum..	9	19	18	30	21	22	25	20	31	6	7	10	20	18	12	6	2	-2	-8	18	28	24	18	16	8	4	2	-13	-20	16	4	10.6
Owyhee	Maximum..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
San Jacinto	Maximum..	...	...	...	...	...	...	...	...	...	35	...	40	46	42	29	29	32	32	33	...	48	50	45	36	37	25	30	39	20	5	17	33.5
	Minimum..	...	...	...	...	...	...	...	...	...	...	...	13	30	28	18	10	23	5	5	...	25	41	28	4	21	17	7	20	0	-28	-24	12.9
Humboldt Basin.																																	
Austin	Maximum..	52	..	49	31	39	53	...	55	43	41	41	42	44	34	30	31	36	34	31	45	50	56	48	46	40	24	...	33	20	17	26	39.1
	Minimum..	33	..	32	15	27	31	...	28	21	21	25	28	25	12	11	9	14	9	15	21	30	30	18	23	17	3	...	-3	-3	-6	-1	17.3
Beowawe §§	Maximum..	54	54	55	56	59	49	58	45	44	45	44	42	39	38	27	34	29	40	35	46	40	46	40	42	43	48	43	24	23	24	26	41.7
	Minimum..	26	28	38	36	34	38	26	29	18	11	15	16	20	17	17	22	16	9	13	24	18	22	19	21	14	7	-1	-3	-4	-9	8	17.6
Carlin	Maximum..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Clover Valley	Maximum..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dry Farm	Maximum..	43	51	51	55	40	41	52	55	51	40	40	45	45	44	29	26	34	32	42	51	51	47	37	42	32	31	...	...	29	14	15	40.2
	Minimum..	22	29	30	32	29	31	30	33	32	20	25	23	35	25	11	11	20	5	23	36	39	30	15	26	10	21	...	...	0	-15	-9	21.4
Elko	Maximum..	43	45	47	47	48	53	49	49	46	38	43	43	43	42	32	30	35	30	26	40	47	45	42	40	33	33	29	37	40	14	15	38.8
	Minimum..	19	25	33	35	30	25	23	23	29	15	21	20	30	31	10	8	21	9	-2	20	28	30	30	10	25	14	3	24	-4	-14	-16	17.9
Eureka	Maximum..	57	54	52	45	44	51	55	51	50	40	46	41	40	37	31	28	35	33	37	45	51	54	50	44	42	33	31	36	32	24	25	41.7
	Minimum..	23	28	30	31	28	23	27	35	32	20	24	24	32	24	15	12	12	10	5	17	23	31	29	15	27	12	10	21	-3	-12	-8	19.3
Golconda	Maximum..	46	48	58	56	50	55	48	50	45	38	43	40	44	38	38	32	28	32	32	36	40	42	46	46	38	34	32	30	28	18	18	39.6
	Minimum..	32	35	38	30	28	30	31	28	18	28	28	26	28	8	10	17	11	7	18	26	28	30	20	28	16	11	10	7	-2	-6	10	20.3
Imlay	Maximum.	53	50	62	57	58	53	57	61	65	64	65	60	58	40	40	34	48	41	40	41	52	48	49	48	45	40	44	46	21	20	22	48.0
	Minimum..	25	25	40	33	34	37	23	23	20	18	29	34	33	33	18	17	28	20	18	10	30	32	29	25	10	6	30	2	4	-5	-6	21.8
Paradise Valley	Maximum..	56	54	50	57	43	53	58	57	54	39	46	44	37	39	33	32	32	38	32	43	45	49	41	40	38	32	30	43	28	24	20	41.5
	Minimum..	20	13	19	20	23	36	25	24	30	12	25	23	29	26	9	7	15	1	22	16	28	33	25	22	22	17	4	20	-3	-4	-12	17.6
Potts	Maximum..	60	58	52	52	42	42	42	47	42	40	40	40	40	38	24	25	31	29	33	32	35	40	42	40	43	36	30	36	32	28	22	38.5
	Minimum..	22	21	24	19	11	17	15	20	28	14	15	14	18	22	13	5	12	5	-3	6	14	17	20	8	21	-5	-9	15	-5	-15	-11	11.2
Tecoma	Maximum..	50	40	41	41	42	40	47	50	48	38	42	40	38	35	30	32	38	40	38	36	55	55	40	45	40	32	30	32	28	20	18	38.7
	Minimum..	15	12	20	25	21	22	21	27	24	10	18	11	10	12	18	15	15	8	0	10	18	21	8	3	0	-8	3	18	-1	-18	-15	11.1
Wells	Maximum..	42	45	40	42	45	43	46	42	38	38	40	42	43	40	33	35	36	37	34	38	43	42	44	42	35	34	25	34	31	32	33	38.5
	Minimum..	26	28	35	29	28	26	28	26	16	22	28	26	30	18	12	10	-2	-5	10	18	24	20	23	10	5	8	12	-4	14	16	3	17.1
Winnemucca	Maximum..	51	50	60	44	48	57	56	57	48	34	47	40	38	37	29	32	39	37	32	42	47	46	50	40	44	34	34	45	24	20	22	41.4
	Minimum..	23	31	40	27	26	31	27	28	24	20	26	28	29	23	10	10	15	9	5	16	34	35	26	21	22	15	9	14	3	0	-6	20.0
Truckee Basin.																																	
Fernley	Maximum..	50	56	61	55	50	59	52	65	60	45	47	46	46	40	36	40	46	44	42	46	57	55	56	49	52	41	37	51	42	31	23	47.7
	Minimum..	19	30	38	36	36	30	26	27	37	21	23	23	27	27	20	21	23	23	11	16	23	26	26	25	24	17	8	27	12	14	10	23.4
Glenbrook	Maximum..	48	47	45	47	44	49	48	45	42	40	41	40	38	40	36	38	39	40	39	40	45	45	46	45	44	44	45	46	38	25	30	41.9
	Minimum..	30	31	33	31	25	28	25	27	28	27	28	29	30	8	12	12	19	20	22	21	28	29	25	24	23	22	23	26	-5	-4	-2	21.8
Reno	Maximum..	49	57	56	43	55	59	56	66	50	48	48	51	45	38	34	43	44	42	44	53	60	60	57	49	49	34	39	50	25	21	26	46.8
	Minimum.	25	42	35	29	29	34	30	28	28	25	33	27	33	27	23	21	31	22	17	29	30	32	31	30	28	20	17	19	13	8	4	25.8
Fallen Leaf, Cal.	Maximum..	50	44	40	35	40	45	42	50	42	41	38	37	41	35	28	32	36	35	36	43	44	45	45	43	42	33	38	43	31	20	27	38.8
	Minimum..	29	35	32	22	19	32	26	32	30	24	27	29	28	24	18	14	26	21	15	20	30	31	30	27	30	18	15	27	3	1	2	23.1
Tahoe, Cal.	Maximum..	47	45	49	37	45	49	43	52	43	43	42	46	39	35	30	39	38	38	42	42	48	42	45	45	42	32	43	45	30	15	22	40.4
	Minimum..	24	33	32	17	14	30	19	24	26	21	23	24	30	20	4	8	19	11	7	18	22	24	25	22	25	10	27	7	-3	7	-3	18.4
Carson Basin.																																	
Fallon	Maximum..	52	59	62	56	50	59	55	55	53	45	45	47	53	43	34	39	45	44	44	48	58	56	58	48	51	38	38	48	42	24	25	47.5
	Minimum..	19	27	42	36	24	30	27	26	36	22	21	24	25	31	20	23	29	27	18	18	25	27	26	20	25	19	10	27	11	3	-1	23.1
Gardnerville	Maximum..	55	...	57	44	...	55	54	60	...	...	57	...	55	...	44	36	45	40	...	50	52	51	56	52	...	...	...	52	41	30	27	48.2
	Minimum..	18	...	40	30	...	23	26	23	...	...	24	...	23	...	22	19	25	28	...	10	27	29	29	14	...	...	...	30	12	9	2	22.0
Lahontan §§	Maximum..	50	54	59	46	49	58	54	59	52	42	45	46	42	41	33	41	46	43	44	46	58	57	57	46	49	37	44	49	25	24	25	45.8
	Minimum..	32	34	35	31	34	33	33	35	26	27	29	30	32	21	22	23	28	20	20	27	30	34	25	26	21	18	20	14	5	2	10	25.1
Walker Basin.																																	
Mina	Maximum..	55	56	55	45	55	57	55	57	57	57	55	57	55	50	35	45	45	50	40	50	53	60	58	53	50	45	45	43	45	35	29	49.9
	Minimum..	28	39	23	33	38	27	27	32	30	32	30	32	32	30	25	20	30	31	22	25	23	30	23	23	30	25	6	23	30	6	1	25.8
Thorne	Maximum..	61	62	55	50	58	59	60	61	66	63	55	54	57	52	45	42	40	45	45	55	55	58	58	...	...	...	...	...	...	...	...	54.6
	Minimum..	43	40	40	35	40	41	42	40	40	22	...	...	...	18	21	18	22	18	17	22	27	27	27	...	...	...	...	...	...	...	...	30.0
Yerington	Maximum..	51	51	57	48	50	52	52	59	53	44	48	50	49	43	33	36	41	37	35	40	48	50	55	45	54	40	36	48	41	20	25	44.9
	Minimum..	14	22	40	32	25	20	19	19	36	20	25	15	23	31	21	11	22	25	6	10	17	24	26	22	24	15	8	25	8	15	-6	19.8
Bridgeport, Cal.	Maximum..	48	50	44	37	29	32	32	47	45	43	43	47	42	36	22	21	35	31	25	40	35	43	51	40	42	44	34	46	40	28	20	37.8
	Minimum..	13	30	33	23	6	10	7	11	30	15	21	11	33	19	9	1	11	18	3	12	15	20	18	30	29	18	25	25	11	3	-4	16.3
Colorado Basin.																																	
Las Vegas	Maximum..	71	81	59	61	67	69	70	70	71	63	62	60	59	51	52	54	47	53	54	58	65	67	67	65	58	52	52	52	45	43	38	59.2
	Minimum..	31	34	35	46	35	42	31	31	30	33	31	31	29	43	38	35	21	23	22	22	25	31	33	40	35	29	28	22	23	20	20	30.6
Logan	Maximum..	72	69	57	59	62	67	69	68	67	66	63	60	61	61	54	52	49	54	55	59	62	64	63	61	45	54	54	50	50	44	41	58.5
	Minimum..	31	35	33	39	37	32	33	32	31	29	35	36	32	38	29	34	24	25	20	28	23	29	28	30	32	23	28	24	28	24	30	30.1
Pioche	Maximum..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Minor Basins.																																	
Belmont	Maximum..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cherry Creek	Maximum..	42	50	52	44	45	49	43	57	51	46	45	42	46	40	29	21	36	26	28	44	52	57	52	36	41	31	27	37	33	12	14	39.6
	Minimum..	16	23	31	32	33	32	20	22	34	14	28	22	38	29	19	-2	10	4	-2	16	20	31	36	14	28	12	0	21	-9	-15	-12	17.6
Columbia	Maximum..	54	55	51	44	38	49	56	52	50	47	47	43	43	42	34	32	40	34	39	41	49	53	56	52	48	39	37	42	35	21	27	43.5
	Minimum..	28	35	39	30	18	23	28	32	32	24	23	26	28	31	20	11	17	21	11	15	22	28	29	23	28	16	11	24	16	4	3	22.5
Gerlach	Maximum..	47	50	57	50	48	56	52	58	55	39	49	45	42	41	35	35	43	37	35	...	56	51	52	48	44	42	40	47	43	40	35	45.7
	Minimum..	16	36	37	35	30	31	24	23	34	18	28	25	32	30	24	14	26	24	14	...	29	30	30	21	22	20	8	27	13	4	17	24.2
Lida	Maximum..	53	55	48	46	48	55	52	52	51	47	46	43	42	40	32	37	...	...	...	...	60	59	59	52	40	48	44	45	39	19	33	46.1
	Minimum..	23	35	36	26	23	28	31	24	26	21	22	23	26	30	17	14	...	...	...	...	14	29	34	29	23	18	15	23	14	4	7	22.8
McDermit	Maximum..	53	49	56	55	41	52	54	57	48	36	43	42	40	36	31	30	39	35	36	42	43	47	47	38	36	35	32	44	20	17	19	40.4
	Minimum..	19	30	38	30	25	34	31	31	29	18	27	26	24	23	7	10	22	14	8	22	33	35	32	15	26	28	10	17	1	0	9	21.2
McGill	Maximum..	49	57	51	46	42	55	56	58	50	45	45	47	46	42	28	23	35	28	35	47	53	56	54	38	39	34	32	34	34	34	24	42.5
	Minimum..	18	34	35	33	31	25	26	32	37	18	30	25	20	27	19	1	12	8	19	23	20	32	32	17	22	12	3	20	1	-15	-7	19.7
Millett	Maximum..	57	60	54	51	42	50	49	59	52	43	50	49	51	49	33	32	42	35	37	44	51	51	59	51	52	41	32	42	40	36	32	46.0
	Minimum..	9	23	44	34	17	18	14	12	25	8	13	15	33	34	19	-1	10	13	-6	8	13	14	20	7	10	10	-5	22	4	-8	-8	13.6
Oasis Ranch	Maximum..	55	54	54	50	43	49	48	51	57	49	45	50	52	48	40	30	41	40	42	48	58	59	59	52	41	52	48	44	38	31	28	47.0
	Minimum..	12	32	37	30	20	20	25	27	30	34	20	24	22	28	20	18	12	8	12	13	24	20	27	23	22	16	21	22	19	12	4	21.1
Quinn River Ranch	Maximum..	53	57	43	41	55	60	57	57	48	41	52	43	39	42	37	39	38	42	35	47	45	48	51	40	35	35	35	37	27	20	20	42.5
	Minimum..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rebel Creek	Maximum..	...	...	...	...	...	54	56	61	54	35	47	47	46	42	34	33	40	39	36	47	50	51	51	41	42	35	32	46	24	21	22	41.8
	Minimum..	...	...	...	...	...	37	29	33	31	18	30	28	32	28	20	15	26	17	10	27	36	38	35	18	27	18	11	20	7	-4	-6	22.3
Rhyolite	Maximum..	63	69	62	60	58	64	64	61	60	59	58	56	50	53	51	43	44	47	50	54	64	63	68	57	53	41	56	46	44	29	35	54.3
	Minimum..	39	40	45	35	32	37	38	38	33	32	35	32	32	36	29	26	25	27	26	23	35	39	40	36	29	26	24	22	19	18	20	31.2
Sand Pass	Maximum..	47	53	57	47	49	60	56	63	54	46	46	47	47	42	36	37	45	44	42	52	59	49	54	44	50	36	39	46	33	25	36	46.5
	Minimum..	18	28	14	35	29	40	28	23	37	23	23	26	37	32	20	15	26	23	16	22	30	32	28	26	26	18	13	26	16	6	6	24.9
Searchlight	Maximum..	60	63	59	55	55	58	60	66	63	59	56	55	54	48	43	37	40	44	46	47	58	59	68	60	53	52	38	45	40	30	32	51.7
	Minimum..	43	51	45	41	37	40	48	48	43	42	38	38	36	42	32	28	26	27	31	35	38	47	45	40	38	36	25	28	29	22	23	36.8
Sharp	Maximum..	42	50	46	41	47	50	50	50	50	48	42	40	44	42	30	31	28	32	37	42	50	56	48	45	46	38	34	35	25	21	25	40.8
	Minimum..	22	24	27	30	23	25	26	26	25	22	22	22	22	22	18	14	12	15	6	12	18	31	28	20	21	21	12	18	11	-1	7	19.4
Sulphur	Maximum..	47	55	60	57	50	56	55	59	55	49	48	47	46	45	36	36	37	38	39	42	50	55	51	42	45	44	44	45	35	32	31	46.2
	Minimum..	16	18	25	25	30	30	28	29	19	21	32	31	30	20	15	14	13	14	13	16	22	25	18	18	20	21	19	12	10	5	6	19.8
Tonopah	Maximum..	49	52	47	40	35	46	49	49	45	40	41	40	40	35	24	27	36	28	32	37	47	51	52	44	42	26	32	41	19	18	21	38.2
	Minimum..	37	37	38	27	24	34	36	35	32	28	28	30	26	16	10	12	21	21	20	24	31	36	34	30	26	13	12	19	9	5	4	24.4

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.

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U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

NEVADA SECTION

ANNUAL SUMMARY, 1915

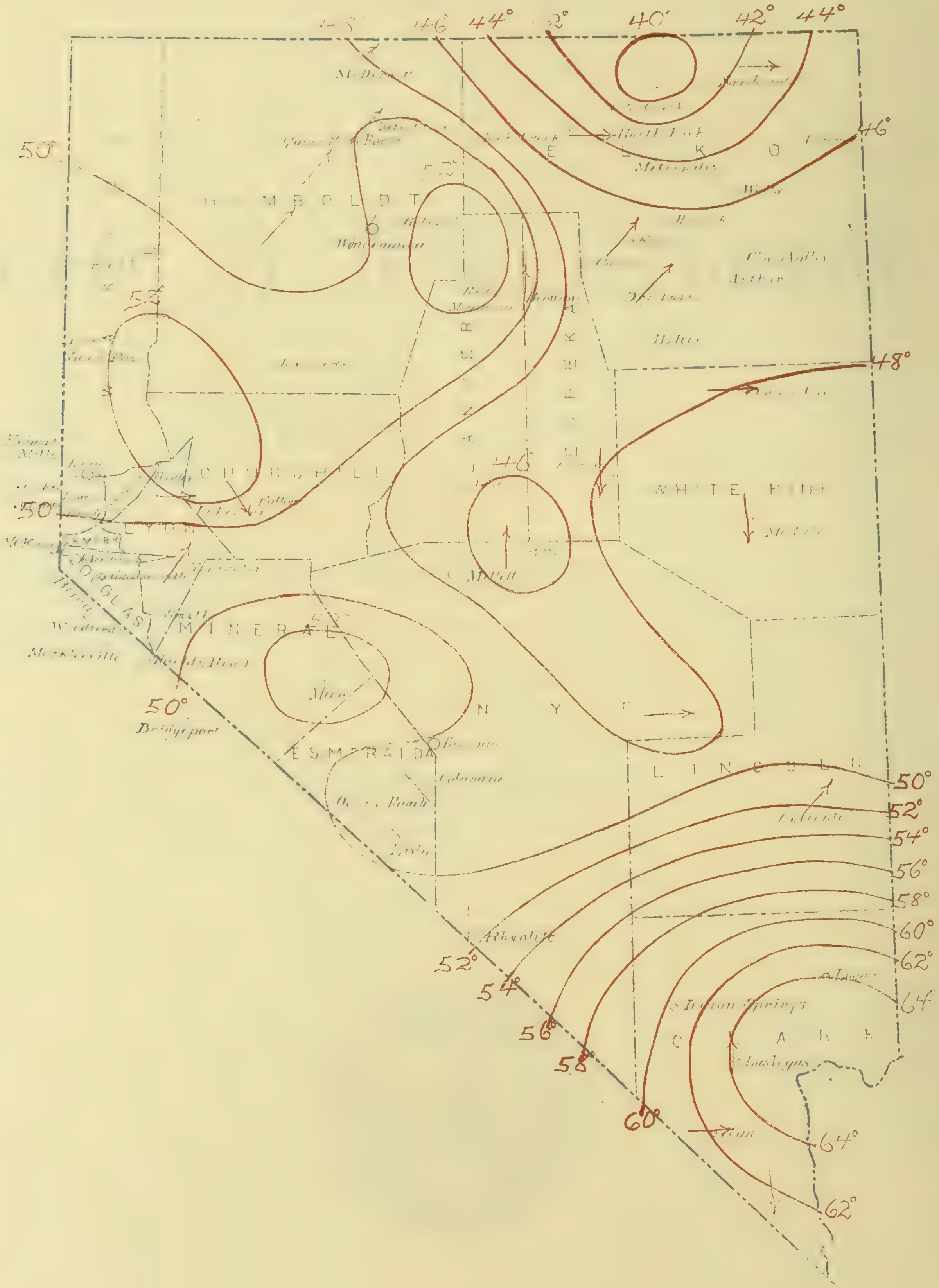
BY

HENRY F. ALCIATORE

SECTION DIRECTOR

RENO, NEV.
WEATHER BUREAU OFFICE
JANUARY, 28, 1916.

Mean annual temperature and prevailing direction of the wind, year, 1915.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALCIATORE, Section Director.

VOL. XXX. RENO, NEVADA, YEAR, 1915. No. 13.

GENERAL SUMMARY.

Considered as a whole, the year was somewhat warmer and drier than usual. The first four months were relatively mild. From May to July the weather was unseasonably cool. During August, and the period from October to December the temperature averaged above the normal. The mean for the State, 50.6°, was 0.9° above the ten-year average. The extremes, —28° in January, and 112° in August, were within the limits of previous years. The last killing frosts of spring occurred on February 6th and March 6th, respectively, at Logan and Las Vegas; about the middle of June in parts of Washoe, Humboldt, Elko, White Pine, Eureka, and Lander counties; and between the 2d and 25th of May in other localities. In the fall, the first killing frosts occurred at most stations between September 3d and October 12th, and in the southern parts of Nye and Clark counties between the 9th and 12th of November.

The year's precipitation was about 85 per cent of the normal. February, April, May and September were wetter than usual, but the other months were dry, particularly October, which proved to be the driest month of that name on record. The annual fall was from less than 2.50 inches at Imlay, Humboldt County to nearly 15 inches at Arthur, Elko County. At Marlette Lake, a mountain station in the Sierras (7,900 feet above the sea) the fall was 23.25 inches. As compared with the ten-year average, there was an excess of 5 to 112 per cent in the Colorado Basin and some parts of Lyon, Churchill, Lander, Elko and Humboldt counties; and deficiencies of 10 to 67 per cent in other localities. At ordinary levels the annual snowfall has ranged from a trace at Logan to 98 inches at Eureka, and was about 14 per cent below the normal. At Marlette Lake the fall was 268 inches. Unusually heavy snows occurred in the Truckee and Carson watersheds in February. Rapid melting of the snow in March caused freshets in some rivers. A severe blizzard at the close of April, attended by a heavy fall of snow, resulted in the loss of thousands of young lambs in the northeastern districts. The snowfall of November and December was very heavy in the Truckee watershed, and at the close of the year the prospects for an ample supply of water for irrigation were excellent.

The annual percentages of possible sunshine, as recorded at the regular Weather Bureau stations, were: Reno, 74; Winnemucca, 73; Tonopah, 72. For the State, there was an average of 194 clear, 88 partly cloudy, and 83 cloudy days. The prevailing winds were westerly.

THE WEATHER BY MONTHS.

January.—The month was relatively mild and dry. On the 23d, freezing temperatures were experienced as far south as Searchlight, near the Arizona border line. The precipitation was 50 per cent below normal. There was much less snow than usual in all basins. Cattle and sheep were in good condition.

February.—Mild temperature, excessive cloudiness, and heavy snows were the chief features. The precipitation was 16 per cent above the normal, and the largest recorded in 11 years. The snowfall was uncommonly heavy, particularly in the Truckee and Carson basins, where it was from two to nearly four hundred per cent above normal. The mild temperature was favorable to the cattle and sheep interests.

March.—The day temperatures were high, and the month as a whole was relatively mild. Premature budding of fruit trees occurred in some localities. The precipitation was 34 to 75 per cent below normal. Rapid melting of the snows in the mountainous districts caused freshets in the rivers. As compared with the normal, the snowfall was from 62 to 81 per cent deficient. Livestock was in good condition and sheep shearing in progress at the close of the month.

April.—Following a period of unusually warm weather, a severe freeze occurred near the close of the month which did great damage to early fruit. Showery weather predominated. The precipitation was considerably above normal. A blizzard occurred on the 30th, attended by heavy snows. Thousands of young lambs perished in the northeastern districts. A destructive thunderstorm occurred near Tonopah on the 16th; one person was struck by lightning and killed. At Fallon, a circus tent was wrecked by a tornado. The alfalfa and grain crops made good progress, and sheep shearing was practically completed. An ample supply of irrigation water was indicated in the Truckee watershed.

May.—This was a cool, wet month. The first few days were unusually cold, and snow fell over large areas. The precipitation was 35 per cent above normal. Logging in the mountains near Verdi was hindered by heavy snows. An ample supply of water for irrigation was in sight in the western districts, but in the Humboldt Basin the supply was short, owing to the small snowfall of winter. Alfalfa and cereals though somewhat late were doing well. In Clark County the first crop of alfalfa had been cut.

June.—The weather was cool and dry, with plenty of sunshine, and changeable temperatures. Killing frosts occurred in the central counties on the 11th and 12th, and in the northeastern counties on the 13th and 25th. Very high temperatures were recorded in the southern district. The precipitation was only 29 per cent of the normal. The first crop of alfalfa in the northern counties, and the second in the southern counties had been gathered. Late fruit was doing well.

July.—Barring destructive cloudbursts in Douglas County on the 22d, and in Nye County on the 26th, the month was uneventful. The temperature was below normal and the precipitation deficient. Staple crops were making good progress and large yields were expected. Livestock was in good condition generally. The ranges in some of the central and eastern counties were drying up. The outlook for late fruit was good.

August.—Excessive dryness and high temperatures were the chief features. The precipitation was only 21 per cent of the normal. Owing to the light snows of last winter and the summer drouth, many of the ranges were poor, and the rivers unusually low, particularly in the Humboldt and Carson watersheds. The grain crops had yielded well. Cattle and sheep were in good condition. Late fruits were doing well.

September.—The weather was bright and sunny. At many places north of a parallel of latitude passing through Tonopah killing frosts occurred between the 10th and 15th. The rainfall was scattered and but slightly above normal. In some sections the ranges were suffering from the drouth. Cattle and sheep were doing fairly well. Apples were ripening fast but a smaller crop than usual was indicated. Except in the Truckee Basin, the water supply was short.

October.—This was the driest October on record; the average rainfall was only two per cent of the normal. The month was unusually warm, with excessive sunshine, and favorable for completing the harvests. The apple crop was relatively small. One of the most destructive earthquakes on record occurred in many counties on the 2d; the damage to property was quite large, particularly along the Southern Pacific right-of-way north of Lovelocks.

November.—The mean temperature was somewhat above normal in some localities and deficient in others. The first zero or lower temperatures of the season occurred on the 13th. The rainfall was about 70 per cent of the normal; in the Colorado Basin, however, there was a marked excess. The snowfall in the Tahoe district was considerably above normal, except at the southern end of the lake where it was deficient.

December.—The weather was unsettled and somewhat warmer than usual. Precipitation occurred in some part of the State almost daily but was generally light. Snow fell in every county, and as far south as Searchlight, Clark County; the average for the State was below normal. In the Lake Tahoe watershed the snowfall was heavier than usual, and the outlook for an ample supply of water for irrigation was very good.

KILLING FROSTS.

Stations	Last in Spring	First in Autumn	Stations	Last in Spring	First in Autumn
Austin	June 12	Sept. *13	Logan	Feb. *6	Nov. *11
Battle Mountain	May *19	Sept. *11	McDermitt	May 1	Sept. 13
Beowawe	May *19	Sept. *11	McGill	May *5	Sept. *14
Caliente	May *2	Oct. *12	Metropolis	June 12	Sept. 3
Carlin	....	Sept. *30	Millett	May 3	Sept. 12
Cherry Creek	June 13	Sept. 13	Mina	May *2	Oct. *12
Clover Valley	June *14	Sept. *14	North Fork	June 25	Sept. 11
Columbia	May *6	Oct. *11	Oasis Ranch	June *3	Sept. 15
Dry Farm	June *14	....	Owyhee	June *26	....
Duck Flat	....	Sept. 12	Paradise Valley	June 26	Sept. 12
Elko	June *15	Sept. *3	Potts	July *31	Sept. *3
Eureka	June 12	Sept. 14	Pyramid	....	Sept. 26
Fallon	May 20	Sept. 14	Rebel Creek	June *11	Sept. *14
Fernley	May *3	Sept. *13	Reno	May *2	Oct. 11
Gardnerville	May *25	Sept. *11	Rhyolite	May 2	Nov. *9
Gerlach	June *13	Sept. *14	Sand Pass	May *3	Sept. 14
Golconda	May *4	Sept. *11	San Jacinto	June *29	Sept. *3
Gold Creek	June *18	Sept. *10	Searchlight	May *1	Nov. *11
Halleck	June *2	Sept. 13	Shafter	June *26	....
Hylton	....	Sept. 13	Sharp	June 11	Sept. 15
Imlay	May *6	Sept. *12	Sulphur	May *3	Sept. *14
Jack Creek	....	Sept. 12	Tecoma	June *26	Sept. 12
Jean	May *1	....	Thorne	....	Oct. *12
Jungo	May 3	Oct. 11	Tonopah	May *3	Nov. 9
Lahontan	May *1	Oct. *10	Vya	....	Sept. 3
Las Vegas	Mar. *6	Nov. *12	Wells	....	Oct. *1
Lewers Ranch	June *11	Sept. *14	Winnemucca	May 3	Sept. 14
Lida	May *5	Sept. 26	Yerington	May *20	Sept. 12

*Indicates last day in Spring or first day in Autumn with temperature of 32° or lower, no killing frost being reported.

SUPPLEMENTAL TABLE, MONTHLY AND ANNUAL PRECIPITATION FOR THE YEAR 1915.

Stations.*	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	Annual.
Bijou	2.30	8.91	1.02	0.71	1.83	.....	0.11	0.03	0.18	T.	0.90	4.43	......
Bridgeport	1.23	3.01	0.46	1.75	0.91	0.00	0.48	0.31	0.62	0.00	0.40	0.40	9.57
Fallen Leaf	4.45	7.69	1.09	1.09	7.84	0.05	0.14	T.	0.23	0.00	0.85	4.28	27.70
Hobart Mills	3.31	7.62	0.96	0.69	3.31	0.00	0.02	0.04	0.12	0.00	1.84	4.73	22.64
McKinney	4.37	9.65	1.33	1.11	3.28	0.02	0.22	0.00	0.22	0.00	2.03	6.21	28.44
Markleeville	2.61	6.53	0.56	1.23	1.02	0.10	0.21	T.	0.18	0.00	0.63	4.33	17.40
Shields Ranch	0.77	3.44	0.41	0.98	1.04	0.00	0.70	T.	0.67	0.00	0.49	2.49	10.99
Tahoe	5.18	10.68	1.08	0.54	3.70	T.	0.41	T.	0.16	0.00	2.43	6.20	30.38
Tallac	3.50	......	......	......	......	......	......	T.	0.14	T.	0.05	4.18	......
Woodfords	2.85	8.92	0.60	0.79	1.71	T.	......	0.16	0.08	0.00	0.40	3.82	......

* Mountain snowfall stations in California, located in drainage basins of streams which flow into Nevada.

COMPARATIVE ANNUAL DATA FOR NEVADA.

Year.	Temperature. Mean.	Temperature. Maximum.	Temperature. Minimum.	Average precipitation.	Average snowfall.	No. rainy days.	No. clear days.	No. partly cloudy days.	No. cloudy days.	Prevailing wind direction.
1890	49.6	118	−39	12.88	62.0	46	200	88	77	s
1891	48.3	101	−30	14.06	50.6	55	164	101	100	s
1892	48.5	115	−25	10.54	47.2	43	173	99	94	w
1893	48.3	110	−40	9.22	56.2	41	192	74	99	sw
1894	48.8	108	−41	10.89	67.2	52	172	86	107	w
1895	47.1	112	−35	7.90	49.8	36	181	94	90	sw
1896	48.7	117	−26	10.61	27.2	43	162	101	103	w
1897	48.5	116	−22	9.79	48.1	47	165	99	101	w
1898	47.9	114	−28	6.49	25.6	32	199	87	79	w
1899	48.6	110	−29	9.12	47.1	37	184	83	98	sw
1900	49.6	113	−12	8.25	33.0	48	176	96	93	sw
1901	48.0	104	−27	13.20	39.7	52	187	92	86	sw
1902	48.0	117	−32	7.25	44.7	37	197	89	79	sw
1903	48.1	114	−32	7.06	31.8	29	219	77	69	sw
1904	49.2	110	−23	10.62	26.6	45	186	87	93	sw
1905	47.1	109	−37	8.32	36.5	38	194	87	84	sw
1906	48.5	115	−22	15.87	54.0	53	172	96	97	s
1907	49.4	113	−28	13.06	43.3	47	164	104	97	w
1908	49.3	116	−20	6.34	22.7	33	189	98	79	w
1909	49.1	116	−18	11.03	36.7	45	179	101	85	w
1910	52.0	114	−28	5.53	24.4	30	202	87	76	w
1911	47.7	113	−28	7.84	29.3	41	196	93	76	w
1912	47.9	113	−29	6.99	24.6	43	185	99	82	w
1913	48.8	113	−38	10.99	26.5	49	181	96	88	w
1914	50.5	122	−27	9.43	30.1	41	195	93	77	w
1915	50.6	112	−28	7.97	34.0	40	194	88	83	w
Means	48.8	122	−41	9.66	39.2	42	185	92	88	w

TEMPERATURE AND PRECIPITATION FOR NEVADA, 1915.

Month.	Temperature (deg. Fahrenheit). Mean.	Departure.	Highest.	Lowest.	Precipitation in inches. Average.	Departure.	Greatest local amount.	Average snowfall.	No. days .01 or more.	Sky. Clear.	Pt. Cloudy.	Cloudy.	Prevailing direction of the wind.
January	30.2	+0.5	78	−25	0.68	−0.68	2.46	5.0	4	13	7	11	sw
February	36.5	+3.6	70	− 5	1.38	+0.19	8.39	10.5	7	7	8	13	sw
March	42.8	+3.0	89	− 5	0.45	−0.64	2.67	2.8	3	16	8	7	w
April	50.4	+2.6	92	15	1.64	+0.81	4.54	4.7	7	11	9	10	w
May	53.2	−2.0	103	12	1.34	+0.35	5.45	2.0	6	9	12	10	w
June	63.3	−2.2	109	23	0.13	−0.32	1.00	T.	1	23	5	2	w
July	70.8	−1.5	110	31	0.38	−0.08	3.50	0	2	19	8	4	w
August	73.3	+1.6	112	33	0.08	−0.31	0.99	0	1	25	5	1	s
Septemb'r	60.7	−0.8	104	19	0.48	+0.20	2.40	0.1	2	22	5	3	w
October	53.3	+3.4	99	10	0.01	−0.53	0.19	T.	0	26	3	2	sw
Novemb'r	40.1	+0.9	88	− 7	0.47	−0.20	2.74	3.0	3	11	9	10	w
December	32.7	+1.8	81	−28	0.93	−0.24	6.03	5.9	4	12	9	10	w
Annual	50.6	+0.9	112	−28	7.97	−1.45	8.39	34.0	40	194	88	83	w

CORRECTION.

Annual Summary, 1914.—Page 101, total snowfall at North Fork should be 26.3.

Climatological data for the year, 1915.

Stations.	Counties.	Temperature (degrees Fahrenheit).							Precipitation, in inches.							Number of days—				
		Elevation, feet.	Length of record, yrs.	Annual mean.	Highest.	Date.	Lowest.	Date.	Length of record, yrs.	Total for the year.	Greatest monthly.	Month.	Least monthly.	Month.	Total snow fall.	Rainy.	Clear.	Partly cloudy.	Cloudy.	Prevailing direction of wind.
Columbia Basin.																				
Gold Creek	Elko	6,600	2	38.8	88	Aug. 9†	-20	Dec. 29	2	10.05	1.86	May	0.00	Aug.*	63.4	68				
San Jacinto	do	5,200	10		96	Aug. 10	-28	Dec. 30	10											w.
Humboldt Basin.																				
Arthur	Elko	6,500							5	11.99	3.35	May	0.00	July*	61.0	17				
Austin	Lander	6,594	26	47.1	95	Aug. 29	6	Dec. 30	26	12.39	1.54	Apr.	0.00	June	83.9	55				
Battle Mountain	do	4,513	44	53.9	108	Aug. 20†	-10	Dec. 30	46	5.22	2.40	Apr.	0.00	June	13.8	24	207	64	94	
Beowawe	Eureka	4,695	44		102	Aug. 29	-9	Dec. 30	16						15.0					
Carlin	Elko	4,896	44		100	Aug. 19†	-17	Dec. 30	44											s.
Clover Valley	do	6,000	14	47.2	93	Aug. 30	-15	Dec. 30	22	10.28	1.92	Apr.	0.00	Oct.	24.4	60				
Dry Farm	do	5,600	3				-13	Dec. 30	6											
Elko	do	5,063	44	46.9	100	July 25	-16	Dec. 31	45	6.52	1.33	Feb.*	0.00	Oct.	14.0	31	164	105	96	sw.
Eureka	Eureka	6,837	17	48.3	96	Aug. 29	-12	Dec. 30	19	10.71	3.29	Apr.	0.00	Aug.	98.0	57				sw
Golconda	Humboldt	4,392	36	50.6	98	Aug. 9†	-6	Dec. 30	38	6.20	1.97	Apr.	0.00	Oct.	25.6	29	195	22	118	n
Halleck	Elko	5,229			108	Aug. 31			46	2.90	1.11	May	0.00	Oct.	19.5	23				
Hylton	do	7,081							5	10.19	2.23	May	0.00	Oct.	26.9	45				
Imlay	Humboldt	4,209	2	50.3	101	Aug. 29	-6	Dec. 31	2	2.42	0.66	Feb.	0.00	Oct.	7.0	22	180	48	137	
Metropolis	Elko	5,661							6	5.21	1.26	Sept.	0.00	Oct.	14.0	37				
North Fork	do	6,500							6	11.82	3.54	Feb.	0.00	Oct.	64.0	47	105	85	175	w.
Paradise Valley	Humboldt	4,500	2	46.9	100	Aug. 29	12	Dec. 31	6	7.92	1.81	Apr.	T.	Aug.*	22.5	72	161	107	97	sw.
Potts	Nye	6,002	22	43.8	95	July 19	-15	Dec. 30	24	3.38	1.50	Apr.	0.00	June	43.5	26	120	89	156	s.
Tecoma	Elko	4,812	37	45.8	100	July 23†	-25	Jan. 23	39	4.76	1.55	May	0.00	July*	6.0	33	110	190	65	
Wells	do	5,631	43		98	July 22	-19	Jan. 24	46											
Winnemucca	Humboldt	4,344	38	49.2	101	Aug. 29	-6	Dec. 31	46	8.29	2.33	Apr.	0.05	June*	25.4	74	175	72	118	ne.
Truckee Basin.																				
Fernley	Lyon	4,150	42	52.9	105	Aug. 28	-1	Jan. 23	46	5.05	0.84	Apr.	0.00	June*	13.0	29				
Glenbrook	Douglas	6,240	6				2	Dec. 31	6											
Lewers Ranch	Washoe	5,500	27		98	Aug. 29†			28											
Marlette Lake	Douglas	7,900							2	23.25	8.39	Feb.	0.00	June*	268.5	15	210	17	138	w.
Reno	Washoe	4,532	28	51.4	100	Aug. 29	4	Dec. 31	28	5.62	2.59	Feb.	0.00	June	17.2	52	197	85	83	w.
Carson Basin.																				
Fallon	Churchill	3,965	21	51.8	100	Aug. 29	-1	Dec. 31	21	6.21	2.14	Apr.	0.00	June*	9.6	45	225	78	62	nw.
Gardnerville	Douglas	4,830	24	48.5	92	Aug. 29	-2	Feb. 13	25	9.45	3.82	Feb.	0.00	June*	30.0	33				
Lahontan	Churchill	4,200	3		104	Aug. 29	2	Dec. 30	5	4.75	1.33	Apr.	0.00	June	6.0	32	160	111	94	w.
Walker Basin.																				
Mina	Mineral	4,350	8	53.5	103	Aug. 29	1	Dec. 30	19	3.81	1.10	Feb.	0.00	June*	14.6	21				
Thorne	do	4,200	2		100	Aug. 29	10	Jan. 20	2											
Yerington	do	4,375	6	49.1	95	Aug. 29	-6	Dec. 31	6	5.11	1.70	Apr.	0.00	Oct.	14.1	32	222	70	73	sw.
Colorado Basin.																				
Caliente	Lincoln	4,407	5		110	July 13†	-8	Dec. 30	5	8.74	3.70	Feb.	0.00	Aug.*	12.0	37				sw.
Las Vegas	Clark	2,033	13	63.8	109	Aug. 20	17	Jan. 24	13	8.41	1.88	July	0.00	Oct.	5.0	26	250	77	38	s.
Logan	do	1,355	8	64.5	112	Aug. 20	20	Dec. 19	16	9.72	2.31	Jan.	0.00	Oct.	T.	31	215	72	78	
Minor Basins.																				
Belmont	Nye	8,132	15		90	July 27			15											
Cherry Creek	White Pine	6,450	7	47.9	99	Aug. 9	-15	Dec. 30	7	7.37	1.72	May	T.	Oct.	54.0	68	180	103	82	w.
Columbia	Esmeralda	5,700	8	51.0	98	Aug. 29	3	Dec. 31	10	8.35	2.68	Apr.	0.00	June*	46.0	50	182	108	75	se.
Gerlach	Washoe	3,931	3	51.0	102	July 22†	0	Jan. 23	3	5.61	1.66	Feb.	0.00	June	6.7	40				w.
Jean	Clark	2,864	7		110	Aug. 20			8											w.
Jungo	Humboldt	4,165							2	5.98	2.01	Apr.	0.00	Oct.	20.5	25	163	91	111	sw.
Lida	Esmeralda	6,037	3	48.2	92	July 25†	4	Dec. 30	3	10.56	2.79	Apr.	0.00	June*	49.5	28				nw.
McDermitt	Humboldt	4,700	25	48.4	97	Aug. 29	-9	Dec. 31	25	10.28	2.86	Apr.	0.00	Oct.	27.5	52	211	97	57	sw.
McGill	White Pine	6,338	5	49.6	97	July 13†	-15	Dec. 30	5	7.44	2.75	May	0.00	Oct.		44	240	69	56	n.
Millett	Nye	5,040	7	47.2	95	Aug. 28†	-8	Jan. 23†	8	4.45	2.12	Apr.	0.00	June*	13.0	24	189	58	118	
Oasis Ranch	Esmeralda	5,106	3	50.4	99	Aug. 23	1	Jan. 23	3	2.50	0.70	Mar.	0.00	June*	22.0	15				
Quinn River Ranch	Humboldt	4,850	13		104	Aug. 29			14											
Rebel Creek	do	4,300	3	50.4	99	Aug. 28	-6	Dec. 31	4	11.32	2.53	Apr.	T.	Aug.*	31.4	66				sw.
Rhyolite	Nye	3,680	2		107	Aug. 20			2											s.
Sand Pass	Washoe	4,198	2				5	Jan. 23	2	5.20	1.30	Feb.	0.00	June*	2.4	40	204	59	102	w.
Searchlight	Clark	3,445	2	61.8	104	Aug. 20	22	Dec. 30	2	8.67	2.46	Jan.	0.0.	Oct.	5.0	36	198	86	81	n.
Sharp	Nye	6,200	2	47.3	95	Aug. 21	-2	Jan. 23	2	13.44	3.50	July	0.00	June*	49.5	31	221	92	52	w.
Sulphur	Humboldt	4,044	2		104	Aug. 30	2	Jan. 1	2											
Tonopah	Nye	6,090	10	50.1	92	Aug. 29	4	Dec. 31	10	6.58	3.26	Apr.	0.00	Oct.	50.3	38	185	112	68	se.
Vya	Washoe	5,500							2	8.60	2.51	Apr.	0.06	Oct.	29.0	73	156	144	65	
For the State				50.6	112	Aug. 20	-28	Dec. 30		7.97	8.39	Feb.	0.00	June*	34.0	40	194	88	83	w.

†Also on other dates. *Also in other months.

Monthly and annual precipitation for the year, 1915, with departures from the normal.

Stations.	January.		February		March.		April.		May.		June.		July.		August.		Sept'mb'r		October.		Nov'mb'r		Decemb'r		Annual.	
	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.
Columbia Basin.																										
Gold Creek	1.27		1.40		0.46		1.52		1.86		0.75		0.05		0.00		0.39		0.00		1.57		0.78		10.05	
Jack Creek							3.02		5.45		1.00		0.71		T.		2.40		0.08		2.74		2.09			
Owyhee	1.05		0.52		0.35		1.70		2.81		0.94		0.88				1.66		0.00		0.79					
San Jacinto	0.30	-0.32	1.35	+0.81	0.05	-0.86	1.86	+1.27	1.89	0.50	0.10	-1.59	0.10	-0.39	0.08	-0.53	1.22	+0.55	0.00	-0.69						
Humboldt Basin.																										
Arthur	1.12	0.17	2.30	-1.01	0.40	-0.54	2.60	+0.86	3.35	+2.04	0.50	-0.45	0.00	-0.79	0.20	-0.24	1.35	+0.63	0.00	-1.22	1.87	+0.58	1.30	+0.09	14.99	+1.80
Austin	1.26	+0.09	0.74	-0.60	0.94	-0.56	4.54	+3.07	2.21	+0.67	0.00	-0.72	0.14	-0.31	0.41	-0.22	0.81	+0.33	0.02	-0.64	0.01	-0.63	1.31	+0.12	12.39	+0.60
Battle Mountain	0.30	-0.57	0.67	-0.08	0.20	-0.48	2.40	+1.59	1.51	+0.71	0.00	-0.51	0.02	-0.16	T.	-0.14	T.	-0.30	T.	-0.46	0.10	-0.41	0.02	-0.77	5.22	-1.58
Beowawe	0.25	-0.52	0.50	-0.21	0.30	-0.35	1.30	+0.77	1.15	+0.52	0.10	-0.32	T.	-0.25	T.	-0.19			0.07	-0.42	0.30	-0.31	0.42	-0.41		
Carlin	0.20	-0.81	0.55	-0.31	T.	-0.86					T.	-0.35	T.	-0.18	0.00	-0.17	0.11	-0.13	0.00	-0.38	0.01	-0.55				
Clover Valley	0.82	-1.33	1.49	-0.68	0.45	-1.09	1.92	+0.90	0.86	-0.57	0.33	-0.43	0.33	-0.11	0.24	-0.36	0.98	+0.44	0.00	-0.80	1.57	-0.20	1.29	-0.20	10.28	-4.43
Dry Farm	0.15	-1.64	1.22	-0.49	0.64	-1.39	1.61	-0.52	2.31	+0.47	0.24	-0.58	0.78	+0.26	T.	-0.54	0.31	-0.06			0.52	-0.75	0.82	-0.35		
Elko	T.	-1.28	1.33	+0.39	0.26	-0.86	1.33	+0.81	0.69	-0.07	0.23	-0.35	0.07	-0.27	T.	-0.28	0.93	+0.65	0.00	-0.52	0.43	-0.26	1.25	+0.16	6.52	-1.88
Eureka	0.61	-0.94	1.06	0.04	0.71	-1.44	3.29	+2.12	2.98	+1.50	0.37	-0.57	0.47	-0.41	0.00	-0.71	0.10	-0.58	0.10	-0.74	0.39	-0.34	0.63	-0.34	10.71	-2.49
Golconda	0.42	-0.31	0.62	+0.05	0.50	-0.07	1.97	+1.37	1.66	+0.90	0.05	-0.51	0.01	-0.19	T.	-0.09	0.55	+0.25	0.00	-0.47	0.20	-0.19	0.22	-0.61	6.20	+0.13
Halleck	0.10	-0.93	0.30	-0.64	0.10	-0.87	0.82	+0.06	1.11	+0.12	T.	-0.58	T.	-0.25	T.	-0.18	T.	-0.27	0.00	-0.51	0.25	-0.27	0.22	-0.88	2.90	-5.20
Hylton	1.14		1.35		0.64		1.66		2.23		0.56		0.49		T.		0.69		0.00		0.45		0.98		10.19	
Imlay §	0.12	-0.54	0.66	+0.11	0.17	-0.38	0.52	+0.15	0.30	-0.31	T.	-0.22	T.	-0.16	T.	-0.14	T.	-0.22	0.00	-0.36	T.	-0.33	0.65	-0.04	2.42	-2.44
Metropolis	0.06	-1.34	0.46	-0.56	0.06	-1.09	0.92	+0.33	0.75	-0.21	0.60	+0.09	0.22	-0.03	T.	-0.22	1.26	+1.07	0.00	-0.63	0.39	-0.36	0.49	-0.65	5.21	-3.60
North Fork	1.13		3.54		0.14		0.99		2.26		0.35		0.38		T.		1.68		0.00		0.47		0.88		11.82	
Paradise Valley	0.63		1.46		0.24		1.81		0.87		0.20		0.42		T.		0.76		T.		0.42		1.11		7.92	
Potts	0.06	-0.47	1.05	+0.39	0.20	-0.63	1.50	+0.79	0.20	-0.91	0.00	-0.40	T.	-0.65	0.01	-0.56	0.02	-0.28	T.	-0.33	T.	-0.39	0.34	-0.12	3.38	-3.56
Shafter §	0.21	-0.77	0.33	-0.53	0.32	-0.52	0.78	+0.02	1.10	+0.24	0.20	-0.44														
Tecoma	0.16	-0.46	0.14	-0.41	0.02	-0.38	0.74	+0.15	1.55	+0.89	0.58	-0.02	0.00	-0.19	0.02	-0.21	1.06	+0.68	0.00	-0.44	0.34	-0.02	0.15	-0.40	4.76	-0.81
Wells	0.15	-1.25			0.59	-0.56			0.60	0.36			0.00	-0.25	0.15	-0.07	0.25	+0.06	0.00	-0.63	0.25	-0.50	0.39	-0.75		
Winnemucca	0.49	-0.55	1.13	+0.20	0.49	0.46	2.33	+1.45	1.08	0.05	0.05	-0.59	0.05	-0.12	0.08	-0.09	0.94	+0.60	0.05	-0.47	0.38	-0.36	1.22	+0.23	8.29	-0.11
Truckee Basin.																										
Fernley	0.27	-0.53	0.77	+0.20	0.24	-0.17	0.84	+0.49	0.60	+0.08	0.00	-0.22	0.34	+0.10	0.00	-0.18	0.43	+0.25	0.00	-0.29	0.80	+0.44	0.76	+0.24	5.05	+0.41
Glenbrook	1.86		6.89		0.42		1.05												0.00		0.35		4.14			
Lewers Ranch	1.30	-3.99	3.70	+0.05	0.55	-3.37			1.87	+0.27	0.00	-0.44	0.32	+0.09	0.00	-0.36	0.17	-0.50	0.00	-1.28						
Marlette Lake	2.17		8.39		2.02		1.09		1.95		0.00		0.00		0.00		0.00		0.00		1.60		6.03		23.25	
Reno	0.55	-1.40	2.59	+0.80	0.16	-1.06	0.33	-0.28	0.52	-0.27	0.00	-0.24	0.04	-0.10	T.	-0.25	0.06	-0.21	T.	-0.41	0.28	-0.81	1.09	-0.58	5.62	-4.81
Carson Basin.																										
Fallon	0.11	-0.51	1.13	+0.63	0.57	+0.09	2.14	+1.79	0.21	-0.49	0.00	-0.28	0.18	0.00	0.58	+0.46	0.41	+0.22	0.00	-0.41	0.09	-0.19	0.79	+0.21	6.21	+1.52
Gardnerville	1.22	-1.43	3.82	+2.28	0.45	-0.96	0.18	-0.43	0.87	+0.20	0.00	-0.26	0.00	-0.33	0.31	+0.11	T.	-0.23	0.00	-0.46	0.28	-1.29	2.32	+0.27	9.45	-2.53
Lahontan	0.16		0.77		0.07		1.33		0.33		0.00		0.77		0.08		0.30		T.		0.02		0.92		4.75	
Walker Basin.																										
Mina §	0.25	-0.25	1.10	+0.82	0.50	+0.27	0.80	+0.48	0.16	-0.58	0.00	-0.22	0.30	-0.01	0.00	-0.41	0.40	+0.09	0.00	-0.28	0.00	-0.17	0.30	-0.12	3.81	-0.38
Smith	0.01		1.67		0.20		0.78		1.48		0.00		0.50								0.18		1.82			
Thorne §	0.10	-0.46							0.14	-0.23			0.03	-0.14	0.13	-0.15	0.81	+0.60	0.00	-0.23	T.	-0.34	0.17	-0.23		
Yerington §	T.	-0.59	1.08	+0.61	0.26	-0.19	1.70	+1.48	0.65	+0.23	0.05	-0.32	0.28	+0.14	0.18	-0.02	0.34	+0.08	0.00	-0.20	0.03	-0.35	0.54	+0.06	5.11	+0.93
Colorado Basin.																										
Caliente	0.10	-0.91	3.70	+2.46	0.21	-1.20	1.25	+0.28	0.23	-0.64	0.25	-0.08	2.00	+1.32	0.00	-1.44	T.	-0.68	0.00	-0.50	0.73	+0.26	0.27	-1.37	8.74	-2.50
Indian Springs							0.41				0.00		0.34		0.22											
Lake Valley	0.82																									
Las Vegas	1.73	+1.24	1.19	+0.65	0.40	+0.19	0.20	-0.12	1.40	+1.34	T.	-0.14	1.88	+1.51	0.01	-0.56	0.10	-0.23	0.00	-0.25	0.75	+0.42	0.75	+0.40	8.41	+4.45
Logan §	2.31	+1.41	1.97	+1.33	0.20	-0.52	0.68	+0.52	0.27	+0.17	0.30	+0.20	0.88	+0.60	0.18	-0.26	0.77	+0.32	0.00	-0.68	2.00	+1.52	0.16	-0.30	9.72	+4.31
Pioche																			0.00	-0.48	1.27	+0.76	1.15	-0.61		
Minor Basins.																										
Belmont											0.01	-0.37	0.70	+0.21	T.	-0.94	T.	-0.53	0.00	-0.45						
Cherry Creek	0.49		1.03		0.48		1.45		1.72		0.65		0.12		0.06		0.49		T.		0.20		0.68		7.37	
Columbia	0.43		1.28		0.99		2.68		0.48		0.00		1.12		0.01		0.81		0.00		0.00		0.55		8.35	
Duck Flat																	0.03		0.19		0.39		0.40			
Francis																					0.21		1.23			
Gerlach	0.85		1.66		0.31		0.94		0.07		0.00		0.42		T.		0.30		0.03		0.28		0.75		5.61	
Jean	1.25		1.00		0.20		T.		T.		T.		0.29		T.											
Jungo	0.85		0.92		0.29		2.01		0.04		T.		0.04		T.		0.86		0.00		T.		0.97		5.98	
Lida §	0.80	-1.13	1.17	-0.71	2.67	0.00	2.79	+1.53	1.47	-0.11	0.00	-0.66	0.35	-0.92	0.32	-0.24	0.14	-0.23	0.00	-0.31	0.15	-0.21	0.70	+0.17	10.56	-2.82
McDermitt	0.32	-1.41	1.48	+0.13	0.24	-0.99	2.86	+1.34	2.82	+1.20	0.32	-0.50	0.72	+0.42	T.	-0.15	0.36	+0.02	0.00	-0.90	0.38	-0.51	0.78	-0.54	10.28	-1.89
McGill §	0.36	-0.67	1.01	-0.02	0.18	-1.14	1.63	+0.49	2.75	+1.46	0.20	-0.22	0.07	-0.55	0.22	-0.86	0.17	-0.48	0.00	-0.72	0.24	-0.54	0.61	-0.50	7.44	-3.75
Millett	0.25		0.77		0.15		2.12		0.24		0.00		0.10		0.32		T.		0.00		0.00		0.50		4.45	
Oasis Ranch §	0.50	-0.25	0.37	-0.30	0.70	+0.33	0.60	+0.13	0.21	-0.42	0.00	-0.29	0.00	-0.46	0.00	-0.56	0.04	-0.33	0.00	-0.31	0.00	-0.36	0.08	-0.45	2.50	-3.27
Pahrump	1.20		1.40																							
Pyramid (near)															T.		0.03		0.00							
Quinn River Ranch	0.37	-0.82	0.98	+0.34	0.06	-0.79	1.23	+0.87	0.85	+0.38	0.05	-0.48	0.18	0.00	0.00	-0.18	0.42	+0.08					0.85	0.00		
Rebel Creek	0.59		2.28		0.91		2.53		2.18		0.56		0.57		T.		0.43		T.		0.54		0.73		11.32	
Rhyolite			1.31		0.88		2.39		1.07		T.		0.63		T.		0.35		0.00		T.		0.63			
Sand Pass	0.89		1.30		0.25		1.18		0.41		0.00		0.10		0.00		0.07		T.		0.23		0.77		5.20	
Searchlight	2.46		2.14		0.45		1.35		0.13		T.		0.10		0.99		0.09		0.00		0.65		0.31		8.67	
Sharp	0.99		2.48		1.30		2.90		1.22		0.00		3.50		0.00		0.00		0.00		0.38		0.67		13.44	
Sulphur	0.25		0.79		T.		0.25		0.75		0.00		T.		0.00		T.		T.				1.06			
Tonopah	0.30		0.50		0.99		3.26		0.35		T.		0.21		0.02		0.27		0.00		T.		0.68		6.58	
Vya	0.75		1.20		0.39		2.51		0.56		0.37		1.16		0.44		0.10		0.06		0.72		0.34		8.60	

The departures from normal precipitation are computed only for such stations as have ten or more years of record. § Normals based on data from nearby stations with long records. T. Precipitation is less than 0.01 inch rain or melted snow.

Monthy and annual mean temperatures for the year, 1915, with departures from the normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Annual.	
	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.
Columbia Basin.																										
Gold Creek	21.7		25.8		31.0		42.0		40.0		50.4		56.2		62.6		46.8		42.1		26.8		19.6		38.8	
Owyhee	23.4		32.2		37.8		46.8		47.5		54.5		64.2													
San Jacinto	22.8	3.5	33.1	+4.3	37.2	1.0	48.0	+3.7	48.5	0.3	51.4	2.6	65.2	0.2	66.5	+1.1	51.1	2.8	45.6	+2.0			23.2	+0.3		
Humboldt Basin.																										
Austin	28.8	0.0	33.7	+4.2	38.6	+3.3	45.0	1.2	47.4	-3.2	58.5	1.7	67.0	1.8	71.0	2.9	57.0	2.1	51.8	+3.2	38.6	0.4	28.2	2.4	47.1	0.3
Battle Mountain	33.6	+4.8	42.1	+9.7	48.0	+6.6	51.8	+5.2	55.6	-1.0	65.1	-0.5	76.0	+1.1	77.2	+3.8	61.8	-0.3	57.0	+7.3	41.2	+3.8	34.0	+3.1	53.9	+3.6
Beowawe	27.4	+0.2	38.0	+6.9	43.2	+2.4	51.4	+2.5	53.2	1.3	61.2	6.0	69.8	5.7	70.9	3.0	58.2	3.6			35.2	1.3	29.6	+0.1		
Carlin	24.0	+0.7	35.8	+9.0	42.6	+6.6					58.5	4.2	66.7	4.8	64.3	4.4	60.5	+2.8					[b]31.2	+5.0		
Clover Valley	25.1	0.0	33.2	+4.2	40.0	+3.5	49.0	+4.3	49.6	1.6	59.1	0.0	65.0	1.5	68.5	3.0	56.4	-1.2	51.0	+3.9	39.0	+2.2	31.0	+3.9	47.2	+1.7
Dry Farm	26.8		33.0		40.4		49.4		49.0		58.6				71.4						39.6		30.8			
Elko	23.8	+0.8	35.2	+6.5	39.8	+2.9	49.8	+4.1	52.0	-1.8	60.0	2.7	68.8	1.4	68.0	+2.2	54.1	2.8	46.8	+1.8	35.6	+1.2	28.4	+1.3	46.9	+1.0
Eureka	28.4	+0.8	32.8	+3.1	38.8	+1.8	47.9	+2.7	51.3	+0.2	58.8	2.0	68.4	2.3	[a]72.2	+2.6	58.4	2.9	52.6	+3.5	39.2	0.1	30.5	0.5	48.3	0.6
Golconda	30.6	+1.1	39.6	+5.9	46.4	5.9	53.2	+5.2	55.6	-0.8	63.3	2.3	71.6	2.9	72.7	+1.5	57.8	1.9	51.4	+1.9	35.6	3.8	30.0	0.9	50.6	+0.7
Halleck	19.9	-2.6	31.4	+6.2	36.6	+2.0	47.4	+3.7	49.5	-2.7	59.4	-2.2			68.2	+1.0	58.8	+3.5	49.0	+5.2						
Imlay §	29.8	-0.5	37.4	+2.9	41.4	+1.2	49.8	+0.7	51.6	-3.6	61.8	-5.1	73.3	2.5	73.8	+0.9	57.8	3.4	52.6	+2.0	39.0	0.9	34.9	+2.6	50.3	0.5
Paradise Valley	26.6		35.0		41.2		49.1		49.6		57.2		66.0		69.8		55.2		48.8		34.2		29.6		46.9	
Potts	25.0	+0.5	30.6	+3.5	35.3	+2.0	44.2	+0.7	48.2	-2.8	55.4	-6.4	66.7	2.9	64.2	3.6	52.6	2.8	44.1	0.1	31.8	+0.8	24.8	+0.5	43.8	0.9
Shafter §	17.9	-3.8	30.6	+4.8	36.6	+1.8	46.6	+0.7	49.3	-5.7	56.2	-8.2														
Tecoma	26.2	+3.3	31.3	+4.6	34.4	-2.8	47.4	+0.6	49.6	4.4	58.2	4.6	68.9	3.4	69.3	-1.5	56.8	2.4	48.6	+2.6	33.4	0.8	24.9	0.3	45.8	0.8
Wells					36.7	+1.3							63.9	-6.6			60.2	+2.6	50.6	+5.0	34.8	+1.1	28.0	+3.8		
Winnemucca	29.3	+0.5	37.6	+4.3	43.2	3.6	50.4	+3.3	52.3	-2.1	61.0	2.3	69.7	1.9	72.0	-1.2	57.1	3.4	50.2	+1.6	37.2	0.3	30.7	0.0	49.2	0.4
Truckee Basin.																										
Fernley	31.4	-0.8	38.7	+2.5	45.0	+3.2	52.6	+2.4	55.4	-2.0	64.8	-1.2	73.6	-3.1	77.2	+2.8	64.8	+2.1	54.7	+4.5	40.8	+0.9	35.6	+3.7	52.9	+1.2
Glenbrook	29.5		32.2		36.3		42.2												53.9		40.8		31.8			
Lewers Ranch	32.3	-0.9	34.6	-1.0	44.5	+4.3	50.0	+3.2	49.4	3.6	58.8	-1.2	65.6	-2.4	69.2	+1.3	59.2	1.1	54.4	+3.4						
Reno	34.4	+1.9	37.2	+1.6	45.0	+4.0	50.1	+2.8	52.1	-1.5	61.6	+0.6	69.2	+1.7	72.6	+5.6	60.8	-1.1	54.8	+5.1	42.5	+1.5	36.3	+2.6	51.4	+2.2
Carson Basin.																										
Fallon	31.2	+0.4	39.6	+3.5	44.4	+3.1	52.6	+2.6	54.6	1.1	63.6	-1.0	71.9	-1.6	73.8	-1.8	60.8	-0.1	52.8	+2.1	41.4	+1.7	35.3	+3.3	51.8	+1.2
Gardnerville	[a]31.8	+0.8	[e]34.9	-1.1	43.2	+1.2	[e]49.2	+0.6	[f]50.5	-3.0	[f]57.8	-3.5	[d]64.2	-3.4	[e]65.6	2.0	[h]57.0	3.7	[g]51.2	+0.5	[j]41.7	1.1	[j]35.1	+2.9	48.5	-1.0
Lahontan §	32.4		38.6		46.6		54.8		59.2				76.4		80.2		65.0		58.6		43.0		35.4			
Walker Basin.																										
Mina §	32.8	-1.1	39.6	+0.5	45.5	+1.2	51.4	0.0	54.2	-4.6	65.9	-3.7	75.2	-2.4	77.8	+1.8	63.5	-2.6	55.6	+2.6	43.0	-0.7	37.8	+3.0	53.5	-0.5
Thorne §	31.4	-3.1											[d]75.2	-1.2	77.4	+1.5	63.4	-2.2	57.2	+3.5	46.1	-1.9	[j]42.3	+6.3		
Yerington	28.6	-4.1	37.8	+1.0	43.4	+1.0	50.1	+0.7	54.0	-1.3	61.2	-3.1	[d]67.6	-3.9	70.1	0.0	57.6	-2.2	48.7	0.0	37.8	-1.2	32.4	+0.7	49.1	-1.0
Colorado Basin.																										
Caliente	36.0	+8.7	36.1	+2.6	48.5	+8.9	52.0	+3.7	61.8	+6.6	67.8	+1.9	80.8	+7.7	80.8	+9.0			57.0	+6.6	42.8	+5.1	29.4	-1.9		
Indian Springs							58.5				75.7		81.6		80.5											
Lake Valley	24.2																									
Las Vegas	43.8	+2.0	49.0	+3.8	57.4	+6.0	63.6	+3.8	66.8	-0.1	79.2	+3.5	84.0	+2.3	83.7	+3.7	74.2	+2.0	66.3	+5.7	52.8	+3.3	44.9	+3.9	63.8	+3.3
Logan §	44.1	+1.4	50.2	+1.4	58.0	+3.0	64.7	+0.8	68.6	-2.8	79.1	-2.1	84.4	-2.7	84.8	-1.3	76.0	-1.0	67.4	+1.9	52.8	-0.2	44.3	+1.2	64.5	0.0
Pioche																			57.0	+6.9	41.9	+4.3				
Minor Basins.																										
Belmont											57.8	-3.2	65.2	-2.8	68.7	+2.7	52.2	+4.8	49.6	+2.5						
Cherry Creek	27.1		32.5		38.8		48.8		50.3		60.6		70.4		71.8		57.2		50.7		38.2		28.6		47.9	
Columbia	30.4		35.8		42.4		49.0		52.5		64.6		72.1		73.7		62.6		55.0		41.4		33.0		51.0	
Gerlach	27.9		36.5		44.5		52.4		50.8		63.2		73.4		74.6		[d]60.9		51.6		[f]41.1		35.0		51.0	
Jean	47.2		45.6		53.5		59.8		64.9		75.2		81.5		82.6											
Lida §	26.0	-3.7	31.1	-1.5	[f]39.6	+3.0	44.3	+0.6	48.2	-2.4	61.5	+2.3	[d]67.6	+1.1	[i]69.8	+4.8	[i]60.8	+4.2	55.3	+8.7	40.0	+1.9	[d]34.4	+3.5	48.2	+1.9
McDermitt	28.4	+1.3	35.6	+4.9	43.1	+5.0	50.2	+4.8	49.8	-3.8	58.0	-7.0	67.4	-6.3	72.0	-0.3	57.2	-3.8	51.6	+2.8	37.3	-0.2	30.8	-1.0	48.4	-0.3
McGill §	28.4	+2.8	33.4	+4.9	40.2	+6.2	49.4	+6.4	51.9	+0.9	63.9	-2.1	[g]73.0	+4.8	72.9	+8.0	60.2	+4.7	52.2	+7.8	39.1	+3.6	31.1	+3.7	49.6	+4.3
Millett	27.6		35.2		40.0		47.6		50.7		59.7		66.4		66.6		56.0		48.7		38.6		29.8		47.2	
Oasis Ranch §	29.0	-1.2	34.6	-0.3	42.2	+1.5	51.4	+2.4	56.6	+1.4	68.2	+6.1	72.1	+3.7	71.2	+3.9	62.2	+2.9	45.2	-3.6	37.6	0.0	34.0	+6.7	50.4	+2.0
Pahrump	40.1		46.0																							
Quinn River Ranch			36.6	+6.5																						
Rebel Creek	30.4		37.8		44.9		50.4		53.4		61.8		69.2		73.6		59.2		53.5		[a]39.0		[e]32.0		50.4	
Rhyolite			44.6				57.5		60.9		75.8		82.6		83.4		72.3		65.0		50.0		42.8			
Sand Pass	30.7		38.1		46.0		53.5		55.2		66.0				[e]78.2		63.8		56.0		40.2		35.7			
Searchlight	42.4		45.5		53.6		59.1		63.2		77.1		80.5		83.1		72.9		68.2		51.4		44.2		61.8	
Sharp	26.8		32.2		38.6		45.8		48.0		58.4		66.2		70.8		59.8		52.6		38.3		30.1		47.3	
Sulphur	29.6						50.9		53.4		62.2		71.6		74.8		62.0		53.9				33.0			
Tonopah	30.1		34.1		42.6		46.6		50.3		63.5		71.0		74.2		61.0		55.8		40.9		31.3		50.0	

The departures from normal temperature are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normal based on data from nearby stations with long records.

Reference letters [a], [b], [c], appearing in the table indicate number of days missing; for example, [b] represents two days missing, etc.

Monthly maximum temperatures for the year, 1915, with dates.

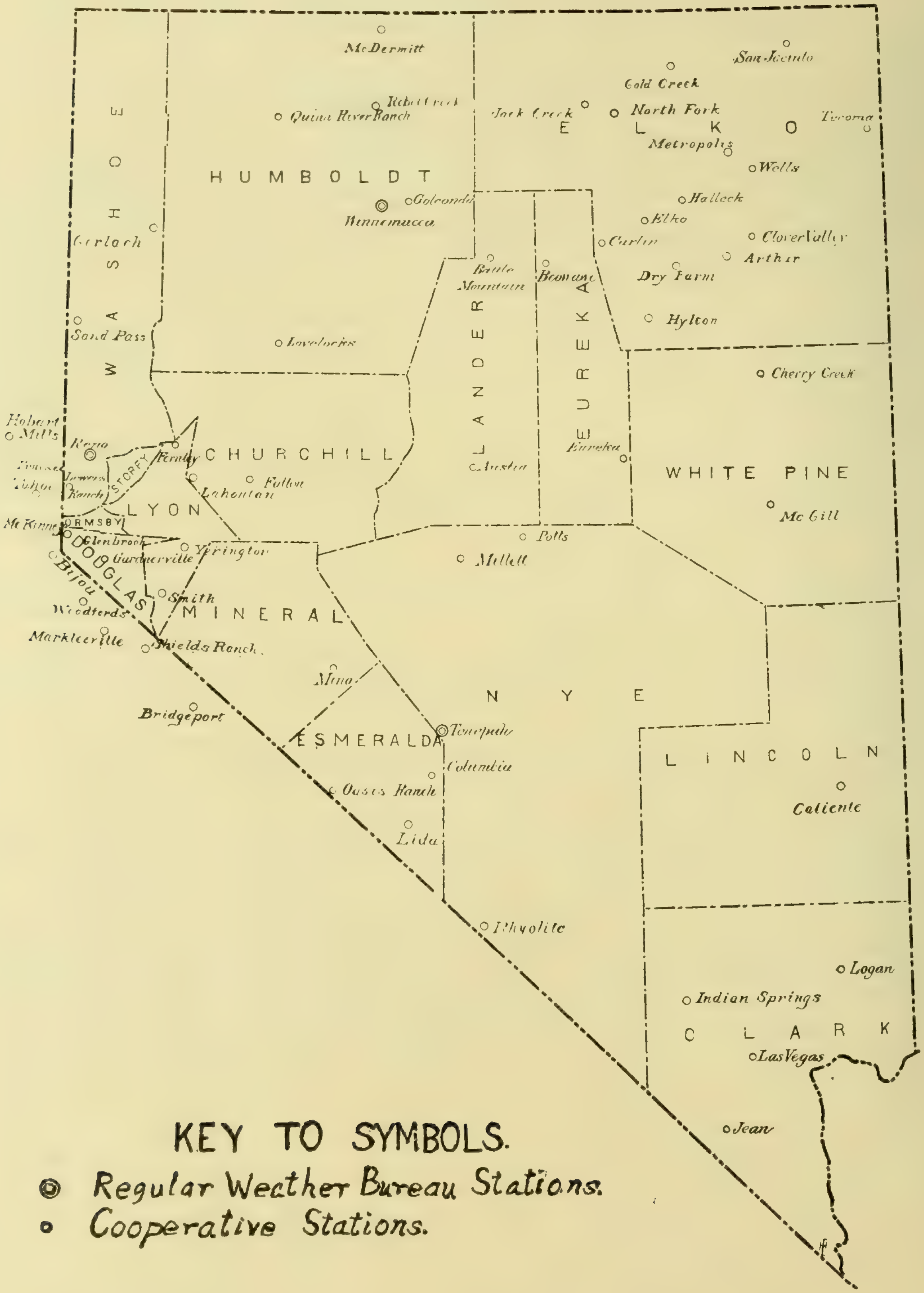
Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.
Columbia Basin.																								
Gold Creek	54	2	43	18	57	21	65	†12	64	27	81	28	80	†20	88	†9	74	21	74	22	59	†3	43	4
Owyhee	49	26	52	17	66	23	72	28	75	30	83	22	96	23	.....	.....	84	6	81	8	65	†1	.....	.....
San Jacinto	48	31	48	9	65	†22	77	28	75	30	82	21	93	22	96	10	82	6	72	3	.....	.....	^{i}50	22
Humboldt Basin.																								
Austin	51	2	57	†7	67	22	70	12	75	†30	87	29	91	19	95	29	83	20	80	7	68	4	56	22
Battle Mountain	60	30	65	†16	85	23	83	†18	91	31	99	29	105	25	108	†20	97	20	^{i}94	8	78	8	60	†1
Beowawe	53	29	58	7	74	23	78	†12	83	31	91	†29	100	22	102	29	90	†22	.....	.....	71	5	59	5
Carlin	52	†4	52	†8	64	†28	.....	.....	.....	.....	83	30	96	23	100	†19	90	†21	.....	.....	.....	.....	^{i}64	7
Clover Valley	49	31	50	28	69	22	74	†12	80	30	^{i}86	24	91	†20	93	30	85	12	82	8	73	5	61	21
Dry Farm	45	†1	49	†7	65	†22	72	†12	76	16	85	25	.....	.....	^{i}93	10	.....	.....	.....	.....	75	1	55	†4
Elko	46	30	52	†8	68	†22	85	28	83	31	92	23	100	25	97	†21	84	6	85	1	67	5	53	6
Eureka	51	20	50	13	69	23	71	†11	80	31	89	29	91	†19	^{h}96	29	86	20	83	7	69	4	57	†1
Golconda	55	30	70	17	78	22	88	12	86	31	90	30	96	†20	98	†9	85	21	80	21	62	†4	58	3
Halleck	48	6	52	†7	71	27	76	†19	78	16	90	†28	89	†3	108	31	94	1	76	†6	.....	.....	.....	.....
Imlay	50	30	57	†7	75	23	79	19	76	30	95	30	99	21	101	29	87	20	84	†7	71	6	65	†9
Paradise Valley	49	30	53	16	71	22	79	28	78	30	90	22	97	†20	100	29	87	†18	84	8	66	5	58	7
Potts	49	†1	45	15	60	25	69	18	81	31	92	30	95	19	92	29	82	19	75	7	63	†2	60	1
Shafter	46	31	48	†2	68	22	84	12	79	†16	89	†22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tecoma	60	†14	61	†10	70	†22	78	28	76	13	92	24	100	23	100	11	95	1	80	9	67	1	55	†21
Wells	.....	.....	.....	.....	75	21	.....	.....	75	31	.....	.....	98	22	97	20	90	†19	86	1	72	2	46	7
Winnemucca	48	29	59	7	73	22	79	28	82	30	91	30	98	21	101	29	89	20	85	8	68	5	60	3
Truckee Basin.																								
Fernley	58	13	60	7	78	†22	84	19	88	30	98	30	100	†19	105	28	92	19	87	†1	77	20	65	8
Glenbrook	47	†1	48	†26	60	23	62	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	80	4	72	†1	49	6
Lewers Ranch	52	3	55	27	75	22	78	†16	83	27	86	†28	94	26	98	†29	86	1	88	21	.....	.....	.....	.....
Reno	56	1	56	7	76	22	77	16	83	27	93	30	95	24	100	29	89	19	87	7	72	1	66	8
Carson Basin.																								
Fallon	57	†11	60	7	74	22	80	19	84	†30	94	30	99	†20	100	29	89	†6	86	†1	73	2	62	3
Gardnerville	^{g}53	2	^{e}55	27	71	†22	^{e}74	†16	^{f}78	†27	^{f}86	30	^{d}88	†19	^{e}92	29	^{g}83	†19	^{g}81	21	^{j}72	2	^{j}60	8
Lahontan	52	29	58	1	74	23	79	19	83	31	98	†29	101	20	104	29	91	19	88	†8	74	5	59	†3
Walker Basin.																								
Mina	60	4	58	16	75	26	80	†12	86	31	95	30	97	†13	103	29	91	21	86	†1	74	4	60	22
Thorne	51	16	.....	.....	.....	.....	.....	.....	87	31	.....	.....	^{d}98	†29	100	29	90	†6	85	†8	75	4	^{h}66	9
Yerington	55	11	62	7	74	22	87	19	84	31	91	30	93	†24	95	29	86	22	82	†1	71	2	59	8
Colorado Basin.																								
Caliente	60	†25	56	25	82	†26	72	†11	88	27	100	†25	110	†13	108	16	.....	.....	90	1	78	†3	50	1
Indian Springs	.....	.....	.....	.....	.....	.....	84	19	.....	.....	100	30	99	†3	104	20	.....	.....	.....	.....	.....	.....	.....	.....
Lake Valley	48	20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Las Vegas	66	20	68	†14	86	†23	91	11	101	31	108	10	106	†4	109	20	103	†21	97	2	87	4	81	2
Logan	64	20	69	18	89	31	92	19	103	31	109	30	107	†3	112	20	104	22	99	8	88	4	72	1
Pioche	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	90	7	77	1	.....	.....
Minor Basins.																								
Belmont	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	86	30	90	27	89	†4	78	3	77	11	.....	.....	.....	.....
Cherry Creek	55	1	48	7	65	†22	73	†12	84	16	89	24	96	24	99	9	85	†1	80	8	69	4	57	†8
Columbia	53	2	53	14	70	†23	74	†12	88	31	95	30	96	24	98	29	88	†8	83	†1	70	1	56	†7
Gerlach	48	30	55	7	74	22	79	†18	89	29	94	30	102	22	102	†29	^{d}90	†1	83	8	^{c}71	5	58	8
Jean	78	†14	68	8	82	†23	88	19	99	†12	105	30	105	†18	110	20	.....	.....	.....	.....	.....	.....	.....	.....
Lida	46	1	45	8	^{f}70	23	69	18	83	31	86	29	^{d}92	25	^{i}92	†18	^{i}87	17	87	7	74	1	^{d}60	21
McDermitt	46	29	54	7	72	22	77	†19	80	30	87	†22	95	†21	97	29	85	†18	82	8	65	4	57	8
McGill	55	1	51	7	68	22	73	12	80	†16	90	†23	97	13	97	20	87	22	81	†1	77	2	58	8
Millett	52	†2	53	17	71	23	76	19	82	31	90	29	92	19	95	†28	86	22	82	7	70	†2	60	2
Oasis Ranch	48	†16	51	15	80	24	80	19	92	31	94	†15	95	†13	99	23	89	22	79	†7	66	22	59	22
Pahrump	63	†20	69	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	60	6
Quinn River Ranch	50	29	57	7	^{e}75	†21	^{d}81	28	82	30	93	30	102	20	104	29	90	18	.....	.....	.....	.....	.....	.....
Rebel Creek	49	†11	59	7	72	23	80	18	83	29	92	22	98	20	99	28	88	†18	84	8	^{h}68	2	^{e}61	8
Rhyolite	.....	.....	62	15	78	23	80	†19	90	30	105	30	103	25	107	20	97	7	89	7	76	1	69	2
Sand Pass	51	30	55	7	78	22	84	28	87	31	96	†29	.....	.....	^{j}105	29	90	†9	85	1	70	†1	63	8
Searchlight	63	3	60	†8	73	20	81	†11	92	31	99	30	96	†2	104	20	94	†22	88	8	77	†1	68	23
Sharp	56	2	49	†14	67	†23	70	19	80	31	86	29	87	†19	95	21	86	1	82	1	68	4	56	22
Sulphur	48	13	.....	.....	.....	.....	75	†12	80	31	92	30	100	20	104	30	95	†1	81	†1	.....	.....	60	3
Tonopah	49	20	49	14	66	22	70	12	81	31	87	30	89	25	92	29	82	22	78	7	64	1	52	23

† Also on other dates.

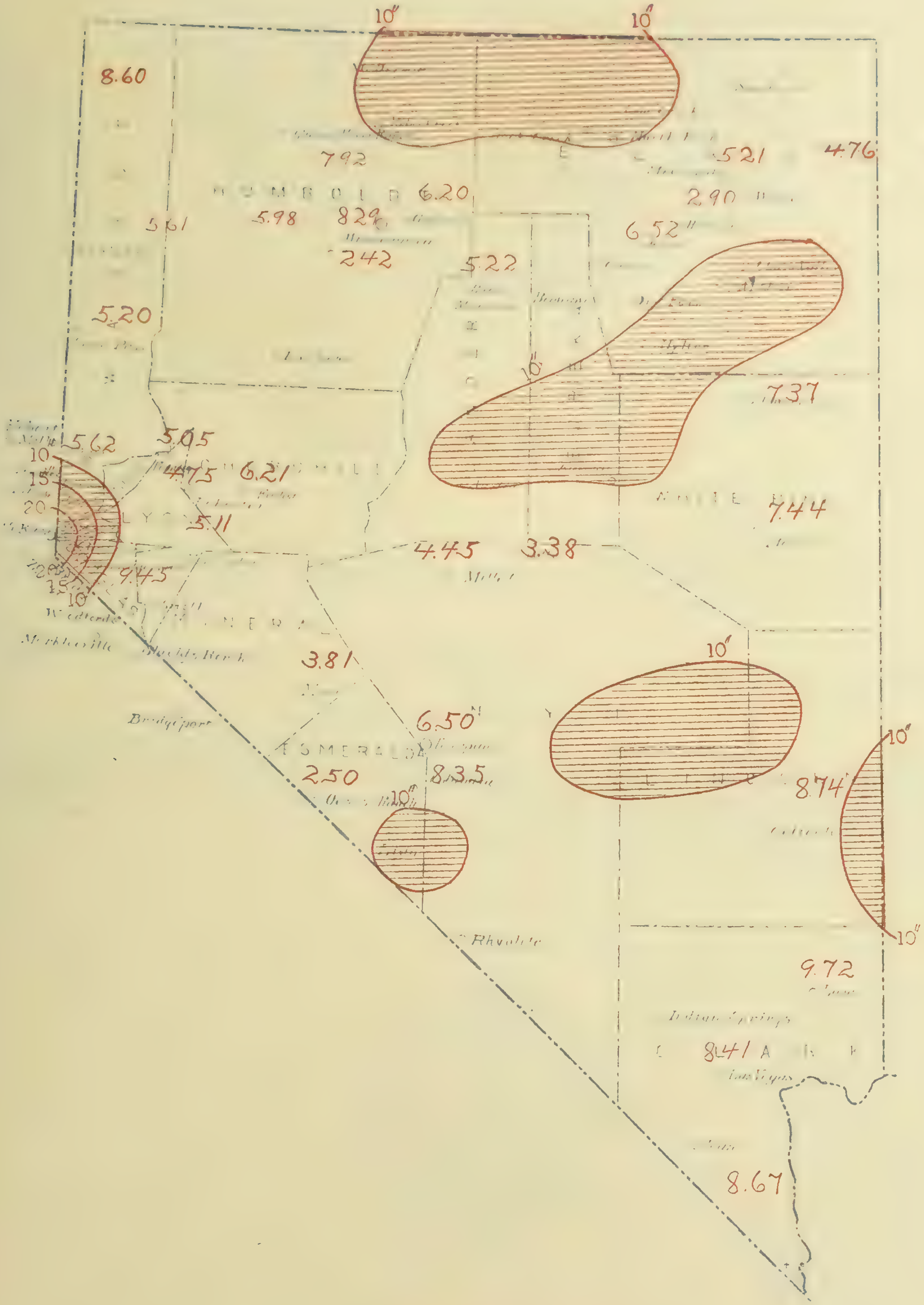
Monthly minimum temperatures for the year, 1915, with dates.

Stations.	January.		February.		March.		April		May.		June.		July		August		September		October		November		December	
	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.
Columbia Basin.																								
Gold Creek	-15	†16	5	14	-5	6	24	†9	18	3	25	15	33	†15	34	17	21	14	16	25	7	14	20	[illegible]
Owyhee	-21	22	5	14	10	7	24	9	24	2	30	†20	36	17	...	...								
San Jacinto	-13	23	6	26	11	6	23	10	25	†1	30	†26	33	18	38	1	19	15	20	22			28	30
Humboldt Basin.																								
Austin	1	21	14	26	16	4	15	30	19	1	29	12	11	†6	47	31	29	13	21	10	8	10	6	30
Battle Mountain	1	22	19	4	18	18	27	†8	26	19	35	12	40	13	42	11	28	14	18	16	8	14	-10	30
Beowawe	-3	†21	17	4	15	19	25	†7	26	2	33	†12	40	†14	40	21	25	13	15	24	6	†13	9	30
Carlin	15	23	12	†6	30	†4	...	...	...		36	1	38	†17	36	†3	32	30	25	12			17	30
Clover Valley	9	24	1	5	11	6	22	10	19	1	31	14	37	†16	42	1	25	15	20	12	3	14	-15	30
Dry Farm	-3	†22	13	†14	14	1	25	9	19	1	30	14	...	...	48	25					7	13	-13	30
Elko	13	23	5	5	16	†6	22	10	20	1	28	13	38	†16	40	†3	21	†14	17	25	2	14	16	31
Eureka	-2	22	10	27	8	6	25	4	18	1	29	12	39	6	50	15	23	14	18	11	5	†11	12	30
Golconda	2	22	16	12	21	18	23	30	24	1	35	13	45	†30	44	10	25	13	24	12	6	12	6	30
Halleck	-10	†8	3	2	12	†6	17	†5	20	2	32	2	...	...	33	7	28	†3	22	31	-3	14		
Imlay	7	23	15	†12	15	23	22	29	22	1	34	12	39	7	42	13	26	12	24	21	0	13	6	31
Paradise Valley	-9	†22	13	5	16	†8	22	4	22	2	28	26	36	†15	38	1	21	14	15	11	5	13	12	31
Potts	-7	17	2	14	12	23	20	30	16	1	26	12	31	31	34	1	19	†14	13	12	0	14	15	30
Shafter	-24	23	0	5	10	†6	22	14	21	3	24	14	...	...	...	...	...	...	...	...	...	...	...	
Tecoma	-25	23	-5	6	2	6	18	†5	21	4	23	11	40	†2	40	†1	22	14	18	26	1	28	18	30
Wells	-19	24	...	...	0	2	...	...	...	...	...	...	33	3	...	...	34	†15	18	12	4	16	5	18
Winnemucca	1	23	15	14	18	19	26	30	24	2	34	13	42	7	44	1	22	14	20	24	2	13	6	31
Truckee Basin.																								
Fernley	-1	23	11	5	17	8	26	30	23	2	35	12	40	30	47	3	32	13	23	12	10	13	8	27
Glenbrook	10	†16	12	21	7	5	26	†5	...	...	...	...	...	...	...	...	...	...	29	24	14	10	2	31
Lewers Ranch	7	23	11	13	20	†5	25	30	22	2	29	11	39	7	44	5	30	14	27	†11	...	...		
Reno	9	23	11	13	24	8	26	30	27	2	38	12	42	7	47	1	33	14	29	12	13	13	4	31
Carson Basin.																								
Fallon	0	23	13	†5	21	8	27	30	29	†1	37	12	44	†7	46	8	30	14	23	12	9	13	-1	31
Gardnerville	[g]4	23	[e]-2	†13	21	†5	[e]24	8	[f]26	3	[f]34	†3	[d]39	†6	[e]40	3	[h]27	11	[g]22	16	[i]11	13	[i]2	31
Lahontan	12	†21	24	†4	28	†5	28	†29	32	1	...	...	52	30	52	1	38	13	32	10	11	12	2	30
Walker Basin.																								
Mina	3	22	17	22	22	2	25	30	27	1	39	3	47	6	50	†17	34	14	27	16	12	†14	1	30
Thorne	10	20	...	...	...	...	...	...	...	...	...	...	[d]41	1	53	†12	33	14	30	16	12	8	[k]17	19
Yerington	-4	17	11	5	18	6	25	†8	26	2	36	†3	[e]40	†28	37	1	30	†14	17	28	5	11	-6	31
Colorado Basin.																								
Caliente	0	16	16	5	22	†1	32	30	30	†1	40	14	56	†3	52	30	38	†15	28	20	17	13	-8	30
Indian Springs	...	...	...	...	...	...	30	†23	...	...	50	†3	58	29	56	†16	...	...	...	...	...	...	...	
Lake Valley	1	15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Las Vegas	17	24	28	13	32	6	40	†13	34	1	46	12	55	12	55	23	44	26	38	13	23	14	20	†30
Logan	23	24	28	4	33	6	39	†6	39	1	52	†13	56	6	58	20	45	†25	38	13	25	14	20	19
Pioche	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	28	11	11	14	...	
Minor Basins.																								
Belmont	...	...	...	...	...	...	...	...	...	...	29	12	38	6	46	6	28	†7	24	7	...	...	...	...
Cherry Creek	-1	23	7	5	11	6	27	4	18	1	31	13	44	6	43	1	24	†13	21	12	2	14	-15	30
Columbia	10	†10	20	†14	18	6	22	30	19	1	36	†3	47	†6	48	16	33	14	29	12	11	13	3	31
Gerlach	0	23	2	14	23	†5	27	8	20	3	31	†11	43	†7	43	†20	[d]24	14	16	12	[g]12	11	4	30
Jean	12	24	27	22	26	6	30	18	30	1	47	13	58	†6	50	18	...	...	...	...	...	...	...	...
Lida	6	23	12	3	[f]10	3	21	†1	12	1	33	13	[d]43	6	[i]44	15	[i]32	26	31	18	9	15	[d]4	30
McDermitt	4	23	17	22	21	19	22	30	22	2	33	10	39	†14	46	1	29	†13	19	11	3	13	-9	31
McGill	-1	23	8	13	13	†6	27	4	23	1	34	3	[m]45	30	45	1	27	14	23	12	5	14	-15	30
Millett	-8	23	5	26	11	19	23	10	14	1	30	3	38	†28	37	18	25	†15	17	†12	0	†13	-8	†30
Oasis Ranch	1	23	19	5	21	6	20	30	22	1	31	3	40	6	45	†7	33	15	10	16	9	14	4	31
Pahrump	14	24	23	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Quinn River Ranch	...	...	11	14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rebel Creek	6	†22	20	†5	22	5	22	30	24	†2	32	11	42	31	46	1	28	14	23	24	[n]11	13	[e]-6	31
Rhyolite	...	...	25	11	...	...	27	30	27	1	50	3	63	†2	60	†16	45	25	44	12	22	12	18	30
Sand Pass	5	23	16	14	23	5	28	30	27	2	40	†11	43	7	48	4	30	14	27	†12	12	13	6	†30
Searchlight	25	23	30	†3	32	2	33	30	30	1	50	4	59	6	62	27	47	25	47	16	30	14	22	30
Sharp	-2	23	7	4	9	†4	23	30	20	1	29	11	40	28	47	15	30	29	22	12	6	14	-1	30
Sulphur	2	1	...	...	16	1	28	†14	28	†1	38	†12	44	13	48	1	26	14	24	26	...	...	5	30
Tonopah	9	16	16	21	22	5	19	30	18	1	37	3	46	6	56	1	33	14	29	11	14	13	4	31

† Also on other dates.


McDermitt
San Jacinto
Gold Creek
Rebel Creek
Quinn River Ranch
Jack Creek
North Fork
Tecoma
ELKO
Metropolis
Wells
HUMBOLDT
WASHOE
Golconda
Winnemucca
Halleck
Elko
Gerlach
Carlin
Clover Valley
Arthur
Battle Mountain
Beowawe
Dry Farm
Hylton
Sand Pass
Lovelocks
LANDER
EUREKA
Cherry Creek
Hobart Mills
Reno
Fernley
CHURCHILL
Eureka
Austin
WHITE PINE
Tahoe
Fallon
Lahontan
STOREY
LYON
Mc Gill
ORMSBY
Glenbrook
Yerington
Potts
Millett
Gardnerville
DOUGLAS
Bijou
Smith
MINERAL
Woodfords
Markleeville
Shields Ranch
Mina
NYE
Bridgeport
Tonopah
ESMERALDA
LINCOLN
Columbia
Oasis Ranch
Caliente
Lida
Rhyolite
Logan
Indian Springs
CLARK
Las Vegas
Jean
KEY TO SYMBOLS.
◎ Regular Weather Bureau Stations.
○ Cooperative Stations.

Total precipitation, year 1915.



SCALE OF SHADES.—Inches.

☐ Less than 10. ▤ 10 to 15. ▤ 15 to 20. ▦ 20 to 24.

LIBRARY OF THE UNIVERSITY OF ILLINOIS

Cooperative Stations and Observers.

Stations.	Observers.	Stations.	Observers.	Stations.	Observers.
Austin	Forest Service	Halleck	Southern Pacific Co.	Pahrump	F. A. Buol
Battle Mountain	Southern Pacific Co.	Imlay	Southern Pacific Co.	Paradise Valley	M. R. Taylor
Belmont	Monitor Belmont Mining Co.	Indian Springs	Ira McFarland	Pioche	M. L. Lee
Beowawe	Southern Pacific Co.	Jack Creek	C. E. Butler	Potts	Miss Maud Potts
Caliente	Salt Lake Route	Jean	Salt Lake Route	Pyramid (near)	F. O. Norton
Carlin	Western Pacific Co.	Jungo	Western Pacific Co.	Quinn River Ranch	F. M. Payne
Cherry Creek	J. H. Leishman	Lahontan	U. S. Reclamation Service	Rebel Creek	Fred Whittaker
Clover Valley	I. F. Wiseman	Lake Valley	Valley View Farming Co.	Rhyolite	Secretary School Board
Columbia	A. Booth	Las Vegas	C. P. Squires	Sand Pass	R. R. Mott
Dry Farm	Walfrid Sohlman	Lewers Ranch	Ross Lewers	San Jacinto	Utah Construction Co.
Duck Flat	H. J. Muller	Lida	L. F. Detwiler	Searchlight	C. L. A. Mahn
Elko	Western Pacific Co.	Logan	U. S. Experiment Farm	Shafter	Geo. Kernan
Eureka	Clay Simms	McDermitt	U. S. Indian Service	Sharp	F. A. Sears
Fallon	U. S. Experiment Station	McGill	R. E. Middagh	Smith	C. M. Carter
Fernley	Mrs. G. A. Steele	Marlette Lake	V. & G. H. Water Co.	Sulphur	Western Pacific Co.
Francis	G. W. Barnard	Metropolis	L. F. Hatch	Tecoma	Southern Pacific Co.
Gardnerville	Forest Service	Millett	Fred J. Jones	Thorne	Southern Pacific Co.
Gerlach	Western Pacific Co.	Mina	Southern Pacific Co.	Vya	W. N. Lord
Golconda	Southern Pacific Co.	Oasis Ranch	A. L. Stewart	Wells	Southern Pacific Co.
Gold Creek	Forest Supervisor	Owyhee	U. S. Indian Service	Yerington	High School

Mountain Snowfall Observers.

Stations.	Observers.	Stations.	Observers.	Stations.	Observers.
Arthur	Isaac Woodhouse	Hobart Mills, Cal	S. E. Patterson	Shield's Ranch, Cal	Frank W. Chichester
Bijou, Cal	Chas. Young	Hylton	Chas. Toyn, sr.	Tahoe City, Cal	Mrs. Northrup A. Pomin
Bridgeport, Cal	A. F. Scott	Markleeville, Cal	Mrs. Mary A. Thornburg	Tallac, Cal	Willis D. Sloan
Fallen Leaf, Cal	W. W. Price	McKinney, Cal	Fred Jensen	Woodfords, Cal	Grant P. Merrill
Glenbrook	C. C. Henningsen	North Fork	Chas. Pratt		

Forecast Distributors and Displaymen.

Stations.	Distributors.	Stations.	Distributors.	Stations.	Distributors.
Austin	U. N. & I. Telephone Co.	Goldfield	W. U. Telegraph Co.	Reno	U. S. Weather Bureau
Carson City	W. U. Telegraph Co.	Las Vegas	C. P. Squires	Tonopah (1)	U. S. Weather Bureau
Elko	Postmaster	Lovelocks	U. N. & I. Telephone Co.	Tonopah (2)	Tonopah Daily Times
Ely	Steptoe Drug Co.	Mina	W. U. Telegraph Co.	Virginia City	W. U. Telegraph Co.
Eureka	W. U. Telegraph Co.	Pioche	U. N. & I. Telephone Co.	Winnemucca	U. S. Weather Bureau
Fallon	U. N. & I. Telephone Co.			Yerington	W. U. Telegraph Co.

Telephone Service.

Through the cooperation of the Golconda Telephone and Power Co., the Utah, Nevada and Idaho Telephone Co., and the Las Vegas Telephone and Power Co., the weather forecasts may be obtained free at all the principal telephone exchanges on the lines named.

General Cooperative Activities.

The Nevada Section of the U. S. Climatological Service (Section Center, Reno, Nev.) maintains a cooperation with the institutions named below:

The College of Agriculture, School of Mines, and Meteorological Department of the University of Nevada, in connection with evaporation work, snow surveys, the forecasting of Lake Tahoe stages, and the dissemination of climatological and seismological information for the use of agricultural, commercial and other interests.

The U. S. Reclamation Service, Fallon, Nev., in supplying precipitation and river data for use in water storage and irrigation work in the Truckee-Carson project.

The Bureau of Crop Estimates, U. S. Department of Agriculture, Washington, D. C., in connection with the printing and distributing of crop estimates for Nevada and the United States for the benefit of the agricultural and commercial interests of the State.

The Truckee River General Electric Co., and the Reno Power, Light and Water Co.; supplying rain and snowfall data for the Tahoe watershed in connection with the operation of the power, light, and water plants.

The Reno Commercial Club; supplying climatic information for use in its immigration and home seekers' departments.

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U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

[illegible]

CLIMATOLOGICAL DATA

NEVADA SECTION

JANUARY, 1916

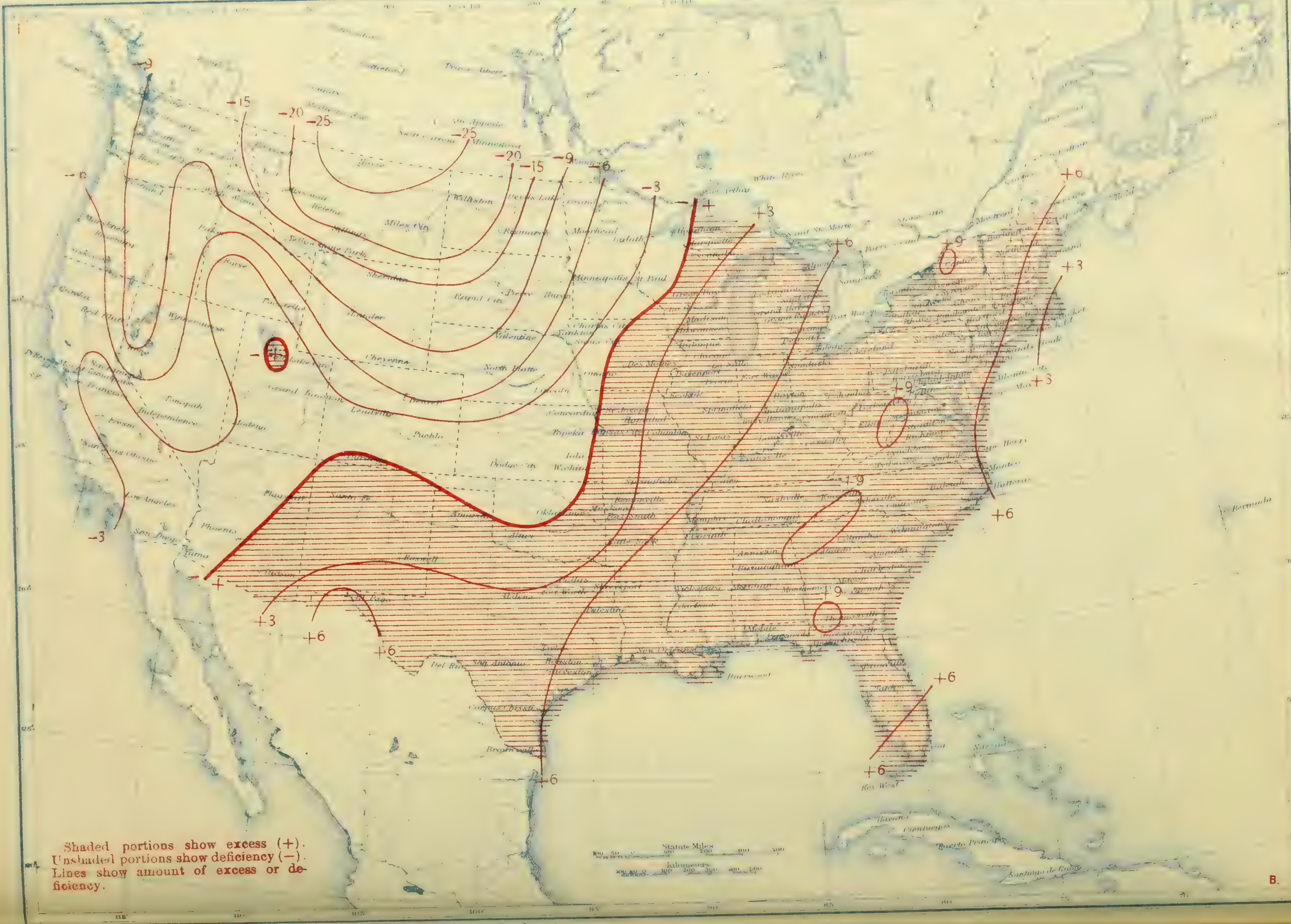
BY

HENRY F. ALCIATORE

SECTION DIRECTOR

RENO, NEV.
WEATHER BUREAU OFFICE
FEBRUARY, 17, 1916.

Departure of the Mean Temperature from the Normal, January, 1916.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALCIATORE, Section Director.

VOL. XXXI. RENO, NEVADA, JANUARY, 1916. No. 1.

GENERAL SUMMARY.

Frequent storms, several cold waves—one of which was attended by a severe blizzard, and a phenomenal fall of snow were the most noteworthy features of the month's weather. The mean temperatures ranged from 14° in Elko to 44° in Clark County, and were everywhere below normal except at Las Vegas and Logan. In some of the western counties the minimum temperatures were almost as low as those recorded in the coldest January of record, which was that of 1890. At Reno, minimum temperatures of 1° to 17° below zero were recorded six times, and considerable damage resulted from the freezing of pipes and water tanks. On the morning of the 31st the thermometer dropped to 31° below zero at Millett, Nye County; this was the lowest temperature for the State.

Rain or snow fell in one part or another of the State daily. The number of days with precipitation was more than double the normal. Considered as a whole, the month was the wettest and stormiest January experienced in this section in 26 years, the average precipitation being 222 per cent of the normal, and within 8 per cent of the 1890 record. On the Nevada side of Lake Tahoe, the precipitation ranged from 12 to more than 14 inches; over the rest of the State the fall was from less than an inch to more than 6 inches, the greater amount having occurred in Elko County. In the southern part of Washoe County, the fall was the greatest of record. Excesses over the normal were reported in all counties, and in the region about Logan, fall grain and alfalfa were damaged by floods. Snow occurred in one part or another of every county in the State, in amounts ranging from less than 2 inches at Searchlight, near the Arizona border line, to more than 66 inches at Jack Creek, Elko County. The fall at Reno, 65.7 inches, exceeded that of January, 1890, by more than 11 inches, and established a new record. Inclusive of Glenbrook and Marlette Lake, at which places the depth of snowfall ranged from 185 to nearly 200 inches, the average for the State was 36.1 inches, which is 341 per cent of the normal. Severe snowstorms, partaking of the nature of blizzards, occurred in parts of Elko and White Pine counties on the 28th. Agricultural and mining operations became impossible in many counties after the snowstorm of the 17th-18th, and long delays occurred in the moving of passenger and freight trains. In some localities the heavy snow was particularly hard on cattle and sheep, many of which perished by starvation. At the close of the month the depth of the snow cover ranged from 1 inch in parts of Nye and Washoe counties to 30 inches in White Pine County.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 39 stations, was 24.1°. The mean for the 25 stations having ten or more years record was 5.2° below the normal. The highest recorded was 66° at Las Vegas, on the 4th. The lowest was −31° at Millett on the 31st. The greatest daily range was 60° at Owyhee on the 18th. The highest monthly mean was 44.0°, at Logan. The lowest monthly mean was 14.4°, at Gold Creek.

PRECIPITATION.

The average for 45 stations reporting was 3.52 inches. For the 25 stations having ten or more years record, the mean was 1.98 inches above the normal. The average amount at 3 stations in the Columbia Basin was 3.93 inches; at 13 stations in the Humboldt Basin, 2.66 inches; at 9 stations in the Truckee Basin, 12.91 inches; at 5 stations in the Carson Basin 7.10 inches; at 6 stations in the Walker Basin, 4.14 inches; at 2 stations in the Colorado Basin, 3.12 inches; at 16 stations in the minor basins, 2.88 inches. The greatest monthly fall was 14.46 inches at Marlette Lake; the least was 0.98 inch at Thorne. The average number of days with precipitation was 11.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric Pressure (sea level)			Mean relative humidity		Wind.			
							Maximum velocity		
	Mean.	Highest.	Lowest.	5 a. m.	5 p. m.	Average hourly velocity	Miles per hour	Direc.	Date.
Reno	29.93	30.83	29.00	84	71	5.7	39	w	8
Winnemucca	29.92	30.76	28.93	84	78	8.5	42	sw	28
Tonopah	29.97	30.75	28.85	88	83	11.6	43	se.	3

SUNSHINE AND CLOUDINESS.

At Reno 45 per cent of the possible sunshine was recorded; at Winnemucca, 46 per cent; at Tonopah, 46 per cent. For the State, the average number of clear days was 9; partly cloudy, 6; cloudy, 16.

MISCELLANEOUS PHENOMENA.

(Dates of)

Brisk Winds.—1, 2, 3, 4, 7, 8, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 22, 23, 24, 26, 27, 28, 29, 30, 31.

Solar Halos.—2, 29, 30, 31.

Lunar Halos.—10, 14, 15, 17, 23.

Sleet.—18, 27.

Fog.—1, 4, 5, 6, 17, 21, 23, 24, 25, 26, 27, 30, 31.

COMPARATIVE DATA FOR JANUARY.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889										
1890	20.4	73	−42	3.81	35.1	10	11	8	12	s
1891	27.6	68	−25	0.21	2.0	2	13	10	8	ne
1892	26.7	73	−25	0.53	4.4	4	16	8	7	s
1893	29.7	65	−28	1.59	10.9	4	16	5	10	s
1894	28.0	70	−30	1.42	12.8	6	10	8	13	sw
1895	25.9	61	−30	2.42	18.1	7	9	8	14	sw
1896	33.9	79	−26	1.80	4.0	6	9	8	14	sw
1897	30.2	65	−15	0.92	8.6	5	10	8	13	s
1898	20.4	63	−28	0.69	6.8	4	12	9	10	n
1899	31.8	65	−12	1.20	12.0	6	11	7	13	w
1900	35.7	71	−10	0.42	0.5	2	16	5	10	sw
1901	30.1	75	−19	1.51	8.3	5	13	6	12	sw
1902	28.4	69	−32	0.51	6.4	4	12	9	10	sw
1903	32.0	72	−16	1.81	9.8	3	16	5	10	sw
1904	27.4	71	−22	0.53	4.4	3	17	6	8	sw
1905	34.5	72	−11	0.66	2.1	3	11	8	12	s
1906	28.7	66	−15	2.31	12.7	4	13	6	12	sw
1907	27.0	73	−28	2.22	20.2	7	8	9	14	sw
1908	32.5	75	−17	0.97	6.2	5	11	9	11	w
1909	35.6	77	−16	2.47	6.3	6	9	10	12	sw
1910	22.1	70	−28	1.28	11.4	4	12	8	11	sw
1911	31.7	70	−28	2.76	12.6	8	13	6	12	s
1912	31.5	73	−29	0.53	3.0	3	12	10	9	s
1913	26.7	71	−38	0.69	8.8	4	16	6	9	w
1914	34.2	87	−25	3.06	18.2	7	10	8	13	sw
1915	30.2	78	−25	0.68	5.0	4	13	7	11	sw
1916	24.1	66	−31	3.52	36.1	11	9	6	16	sw
Entire period	29.1	87	−42	1.50	10.6	5	12	8	11	sw

CORRECTIONS.

November, 1915, report.—Page 86, Austin, mean maximum temperature should be 50.1°.

December, 1915, report.—Page 92, Glenbrook mean temperature should be 32.2°; minimum temperature should be 2° on the 31st; greatest daily range should be 33°; Winnemucca, total snowfall should be 3.5. Page 94, Glenbrook, minimum temperature on 29th should be 5°; on 30th, 4°; on 31st, 2°; mean minimum temperature should be 22.5°

LATE REPORTS.

December, 1915.—Carlin, mean temperature, 31.2° (8 days missing); highest, 64° on the 7th (9 days missing); lowest, −17° on the 30th (6 days missing); clear days, 10; partly cloudy, 15; cloudy, 6. Clover Valley, mean temperature, 31.0°; highest, 61° on the 21st; lowest, −15° on the 30th; total precipitation, 1.29 inches; total snowfall, 10.0 inches; days with precipitation, 7; clear, 5; partly cloudy, 15; cloudy, 11. Halleck, total precipitation, 0.22 inch; total snowfall, 5.5 inches; days with precipitation, 3. Duck Flat, total precipitation, 0.40 inch; total snowfall, 1.2 inches; days with precipitation, 3; clear, 12; partly cloudy, 15; cloudy, 4.

Climatological data for January, 1916.

Stations	Counties.	Elevation, feet.	Temperature, in degrees Fahr.								Precipitation, in inches.					Number of days				Prevailing direction of the wind.	Observers.
			Length of record, years.	Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted.)	With precipitation (0.01 inch or more.)	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	3	14.4		36	†3	−25	12	44	3	3.48		0.80	32.0	7	8	9	14	n.	U. S. Forest Service.
Jack Creek**	do	6,300									3	6.83		0.60	66.5	18	7	7	17	w.	C. E. Butler.
Owyhee	do	5,400	5	^{d}18.6		^{d}45	7	^{e}−30	18	^{e}60	5	1.48		0.40	17.0	10					Indian Service.
San Jacinto	do	5,200	11	20.2	−6.1	47	27	−13	20	45	11						14	2	15	sw.	Utah Construction Co.
Humboldt Basin.																					
Arthur	Elko	6,500									6										Isaac Woodhouse.
Austin	Lander	6,594	27	21.8	−7.0	45	7	−6	29	35	27	2.63	+1.46	0.51	35.0	11	24	3	4		Forest Service.
Battle Mountain	do	4,513	45	28.4	−0.4	55	3	−24	21	36	47	1.40	−0.53	0.40	17.0	9	11	6	14	w.	Southern Pacific Co.
Beowawe	Eureka	4,695	45	21.0	−6.2	47	2	−25	20	47	47	1.91	+1.14	0.66	25.0	9	11	0	20	se.	Do.
Carlin	Elko	4,896	45	19.3	−4.0	40	10	−19	30	38	45	3.32	+2.31	1.12	41.5	10	0	5	26	w.	Western Pacific Co.
Clover Valley**	do	6,000	15	21.8	−3.3	47	5	−6	†12	40	23						3	6	22	sw.	I. F. Wiseman.
Dry Farm **§	do	5,600	4	23.8		45	9	3	†16	26	7						4	13	14	sw.	Walfrid Sohlman.
Elko	do	5,063	45	20.0	−3.0	46	3	−20	30	40	46	5.71	+4.04	1.90	48.5	13	4	4	23	nw.	Western Pacific Co.
Eureka	Eureka	6,837	18	22.0	−5.6	40	†3	−10	30	34	20	3.18	+1.63	1.00	50.5	16	4	4	23	s.	Clay Simms.
Golconda	Humboldt	4,392	37	22.5	−7.0	48	†3	−14	20	41	39	2.16	+1.43	0.80	27.0	9	9	0	22	w.	Southern Pacific Co.
Halleck	Elko	5,229									47										Do.
Hylton	do	7,081									6										Chas. Toyne, sr.
Imlay §	Humboldt	4,209	3	24.8	−5.5	51	5	−12	21	36	3	1.62	+0.96	0.74	6.2	6	7	9	15	sw.	Southern Pacific Co.
Metropolis §††	Elko	5,661									7	2.22	+0.82	1.40	13.5	10	5	15	11	w.	L. F. Hatch.
North Fork	do	6,500									7	3.10		0.56	38.2	12	2	2	27	s.	Chas. Pratt.
Paradise Valley	Humboldt	4,500	3	18.4		48	4	−19	30	42	7	2.95		0.50	41.6	18	6	8	17	sw.	R. M. Taylor.
Potts	Nye	6,002	23								25										Miss Maud Potts.
Shafter §	Elko	5,583	3								3										Geo. Kernan.
Tecoma	do	4,812	38	14.5	−8.4	40	5	−22	31	44	40	1.52	+0.90	0.80	18.9	7	5	12	14	e.	Southern Pacific Co.
Wells	do	5,631	44	17.0	−6.1	42	3	−28	30	50	47	2.81	+1.41	0.56	35.2	13	8	10	13	sw.	Do.
Winnemucca	Humboldt	4,344	39	22.1	−6.7	51	3	−15	21	45	47	2.21	+1.17	0.59	20.8	15	5	9	17	sw.	U. S. Weather Bureau.
Truckee Basin.																					
Fernley	Lyon	4,150	43			47	3				47	2.63	+1.83	0.60	31.0	10	15	3	13		Mrs. G. A. Steele.
Glenbrook	Douglas	6,240	7	25.6		44	7	0	11	34	7	12.98		2.00	185.0	16	2	11	18	sw.	C. C. Henningsen.
Marlette Lake**	do	7,900									3	14.46		2.50	199.5	19	9	0	22	s.	V. & G. H. Water Co.
Reno	Washoe	4,532	29	22.8	−9.7	48	22	−17	21	43	29	6.76	+4.81	1.76	65.7	17	7	8	16	w.	U. S. Weather Bureau.
Bijou, Cal.		6,230									7	15.16		2.04	131.5	20	2	7	22	sw.	Chas. Young.
Fallen Leaf, Cal.		6,400	4	23.6		41	17	2	†20	27	4				187.0		6	7	18	s.	W. W. Price.
Hobart Mills, Cal.		5,900									7	15.29		1.50	206.0	22	4	4	23	s.	S. E. Patterson.
McKinney, Cal.		6,225	7								7	19.30		2.11	227.0	21	9	5	17	s.	Fred Jensen.
Tahoe, Cal.		6,240	8	22.5		46	4	−15	30	46	8	18.20		2.78	238.0	19	3	8	20	sw.	Mrs. Northrup A. Pomin.
Tallac, Cal.		6,230									7	11.44		1.44	155.0	19	6	6	19	sw.	Willis D. Sloan.
Carson Basin.																					
Fallon	Churchill	3,965	22	25.3	−5.5	52	3	−22	21	41	22	2.34	+1.72	0.72	20.9	11	11	8	12	s.	U.S. Experiment Station.
Gardnerville	Douglas	4,830	25	^{e}22.9	−8.1	^{e}49	24	^{e}−24	21	^{e}55	26	6.10	+3.45	1.41	52.0	11				s.	Forest Service.
Lahontan	Churchill	4,200	4	26.4		52	23	−9	30	44	6	3.43		1.10	27.0	10	10	10	11	w.	U.S. Reclamat'n Service.
Markleeville, Cal.		5,525									7	10.95		2.40	99.0	15	6	4	21	s.	Mrs. Mary Thornburg.
Woodfords, Cal.**		5,634									7	12.68		1.92	149.0	20	5	5	21	sw.	Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	9	26.4	−7.5	47	7	−14	30	34	20	2.33	+1.83	1.10	6.0	5	18	0	13		Southern Pacific Co.
Smith	Lyon	4,800									8	4.01		1.98	39.0	6	6	15	10	sw.	C. M. Carter.
Thorne §	Mineral	4,200	3								3	0.98	+0.42	0.60	11.8	6	4	12	15	s.	Southern Pacific Co.
Yerington §	Lyon	4,375	7	21.4	−11.3	48	†3	−22	20	41	7	3.67	+3.08	1.05	37.0	9	16	4	11	sw.	High School.
Bridgeport, Cal.		6,500	3	15.4		42	†22	−36	31	55	5	6.70		1.75	120.0	16	9	6	16	sw.	A. F. Scott.
Shields Ranch, Cal. **		5,300									7	7.14		1.88	72.0	15	10	5	16		Frank W. Chichester.
Colorado Basin.																					
Caliente §	Lincoln	4,407	6								6										Salt Lake Route.
Indian Springs §**	Clark	3,136	3								3										Ira McFarland.
Las Vegas	do	2,033	14	42.0	+0.2	66	4	13	1	36	14	4.67	+4.18	1.25	0	9	10	6	15	s.	C. P. Squires.
Logan §	do	1,355	9	44.0	+1.3	64	3	18	12	34	17	1.57	+0.67	0.56	0	4	8	4	19		Experiment Farm.
Pioche	Lincoln	6,100	18	27.6	−0.5	44	†9	−2	12	33	18	6.74	+5.69	2.08	40.0	15	9	3	19		M. L. Lee.
Minor Basins.																					
Belmont	Nye	8,132	16								16										Lloyd G. Nelson.
Cherry Creek	White Pine	6,450	8	21.4		45	8	−16	30	37	8	3.55		0.74	62.9	19	7	6	18	w.	J. H. Leishman.
Columbia**	Esmeralda	5,700	9	25.3		41	9	−3	12	33	11	2.60		1.05	12.0	17	10	1	20	se.	A. Booth.
Duck Flat	Washoe	4,725									2	3.67		1.42	28.0	12	14	6	11	sw.	H. J. Muller.
Francis	do	5,350									2	4.66		1.27	56.5	17	14	6	11	w.	Geo. W. Barnard.
Gerlach	do	3,931	4								4										Western Pacific Co.
Jean	Clark	2,864	8								9										Salt Lake Route.
Jungo	Humboldt	4,165									3	1.01		0.48	9.6	6	7	3	21	sw.	Western Pacific Co.
Lida §	Esmeralda	6,037	4	24.2	5.5	44	17	−8	12	32	4	4.01	+3.26	1.01	30.0	8	12	2	17	se.	L. F. Detwiler.
McDermitt	Humboldt	4,700	26	21.0	−6.1	55	24	−4	20	35	26	2.61	+0.88	0.60	23.5	11	15	8	8	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	6	22.6	−3.0	46	3	−10	†30	30	6	4.61	+3.58	1.90	41.7	10	9	9	13	n.	R. E. Middagh.
Millett	Nye	5,040	8	20.9		47	8	−31	31	46	9	2.20		1.05	28.0	7	10	3	18	s.	Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	4	24.2	6.0	50	3	−17	21	50	4	2.04	+1.29	0.95	41.0	7	8	0	23	s.	Arthur L. Stewart.
Pahrump **	Nye	2,608	3								3										F. A. Buol.
Pyramid (near)**	Washoe										2										F. O. Norton.
Quinn Riv. Ranch **	Humboldt	4,850	14			47	23				15	2.90	+1.71	0.67		16	8	3	20	s.	F. M. Payne.
Rebel Creek	do	4,300	4	24.4		43	23	0	30	30	5	1.15		0.23	18.0	17	6	10	15	sw.	Fred Whitaker.
Rhyolite	Nye	3,680	3	36.4		51	†3	15	12	22	3	3.71		1.00	4.0	9	7	11	13	s.	Secretary School Board.
Sand Pass ††	Washoe	4,198	3	23.8		50	23	−15	†21	39	3						6	10	15	sw.	R. R. Mott.
Searchlight	Clark	3,445	3	39.2		56	1	20	31	21	3	3.73		1.31	1.5	8	6	6	19	s.	C. L. Aug. Mahn.
Sharp ††	Nye	6,200	3	23.4		44	8	−5	†12	34	3	6.30		1.13	51.0	18	10	1	20	w.	F. A. Sears.
Sulphur	Humboldt	4,044	3	23.6		48	23	0	†1	39	3	1.69		0.50	19.0	9	5	8	18	sw.	Western Pacific Co.
Tonopah	Nye	6,090	11	23.6		39	3	4	12	19	11	2.02		0.65	16.1	13	10	4	17	se.	U. S. Weather Bureau.
Vya ††	Washoe	5,500									3	5.41		0.80	43.5	14	3	13	15	sw.	W. N. Lord.
For the State				24.1	−5.2	66	4	−31	31	60		3.52	+1.98	2.50	36.1	11	9	6	16	sw.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post office addresses of these stations are as follows: Of Jack Creek, Tuscarora; of Clover Valley, Wells; of Dry Farm, Lamoille; of Marlette Lake, Virginia City; of Woodfords, Cal., Sheridan, Nev.; of Shield's Ranch, Coleville, Cal.; of Indian Springs, Las Vegas; of Columbia, Goldfield; of Duck Flat, Gerlach; of Oasis Ranch, Oasis, Cal.; of Pahrump, Shoshone, via Tecopa, Cal.; of Pyramid (near), Reno; of Quinn River Ranch, Amos.

Reference letters ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing, for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for January, 1916.

Stations	Day of month																														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia Basin.																																
Gold Creek (near)		T	.48					T	.20	T		.50	T	T	.70		T	T	.50			T	T	T	T	.80	T	T	T	T	[illegible]	[illegible]
Jack Creek	.19					.26		.50		.15	.20	.10	.50	.60	.40		.60	.40	.40	.40		T	.13		.40		.20	.60	.40	T	T	[illegible]
Owyhee							.05	.16		.16		.08						.24	.10					.15	.08	.08		.08				[illegible]
San Jacinto																																
Humboldt Basin.																																
Arthur																																
Austin ‖			.28					.25	.15	.09	T					.08	.51	.31							.20	.10	.30		.33		T	2.60
Battle Mountain ‖	.08							.20		.08			.08			.16	.24	.40	.08						T			.08	T			1.40
Beowawe ‖	.05		T	T				.14	T			.25				.10	.20	.15						.16		.66	.20					1.91
Carlin	.12		.08							.16			.32				.40	.16	.44						.32			1.12	.20			3.32
Clover Valley																																
Dry Farm																																
Elko	.20		.20						*	.26			.15		.20		*	*	2.00						.20		*	2.00	.20			5.41
Eureka	.20	.05		.05	.04				.02	.15	.15			.10	.40		.10	1.00							.02	.10	.60	.15	.05			3.18
Golconda	.16							.32	.16			.08		.16			.80	.24									.16	.08				2.16
Halleck																																
Hylton																																
Imlay				.74				T.	.54								.12	.08	.12								T	.02				1.62
Metropolis ‖	*	.05										*	1.40	*	.60	T	*	.10	T.			T		T	.02			T	.05	T	T	2.22
North Fork	.20								.48	.08		.56	.16	.16			.24	.18					.02		.21		.24	.24				3.16
Paradise Valley	.15	.07	.09	.01		.01		.35	.27	.11	T.	T	.10	.50	T.		.23	T.	.31			T	.08	.25	.11	T.	.04	.05	.22	T	T	2.95
Potts																																
Shaffer																																
Tecoma										.04			.02		.02		.32	.80							.16			.16				1.52
Wells	.08			.16				.08	.32			.24	.24	.56	.04		.18	.32							.12		.16		.01			2.81
Winnemucca***	.08		.20	.19		.01		.59	T.	.03	T.	T	.04	.03			.25	.29	.12			T.	T.	.05	.12		.08		.13			2.21
Truckee Basin.																																
Fernley	T.		.23	.19				.16	.55	.15							.60	.18									.40	*	.22			2.63
Glenbrook	.28	.12	1.50	2.00				1.00	1.00	.80			.70	1.00			1.50	.50				T	.75	.12	.26		1.20		.25			12.98
Marlette Lake ‖			1.25	2.50				.12	1.86	1.20	.15		.10	1.28	.23		.57	.78	.11				.96	.96	.08	.20	.68	.90	.50			14.16
Reno ***	.06	.74	1.76	.08	T			.54	.51	.30		T.	.04	.08			1.39	.18				.02	.05	T	.03	T	.71	.04	.23			6.76
Bijou, Cal.	.34	.31	2.04	1.11				1.03	.56	1.68			.41	.72	.04		1.92	.18				.11	1.27	.26	.59	.18	1.31	.38	.72			15.16
Fallen Leaf, Cal.																																
Hobart Mills, Cal.	.35	.32	1.33	1.40				.75	1.50	1.25		*	.65	1.50	.45	*	1.15	.38					.89	.27	.69	.04	.96	.90	.50	T	.01	15.29
McKinney, Cal.	.41	.30	2.11	1.55				1.06	1.87	1.39		T.	.87	1.33	.15		1.96	.18	.02			.17	1.20	.28	.71	.04	1.29	1.31	1.10			19.30
Tahoe, Cal.	.49	.50	2.78	1.04				1.40	1.40	.90			.54	1.55			2.00	.35				.18	1.22	.25	.58	.15	1.40	.53	.94			18.20
Tallac, Cal.	.64	.48	.16	.08				.80	1.20	.96			.64	.18	.48		.30	.64				.50	.40	.80	.32		1.44	.80	.32			11.44
Carson Basin.																																
Fallon	.08			.01				.31	.16	.11							.72	.15	T.								.43	.13	.20	.04		2.31
Gardnerville	*	*	1.00	.97				.27		.67							1.41	.07						T.	.10		1.15	T.	.46			6.10
Lahontan ‖	.05	.03	.12					.64	.14	.14							1.10	.18								.58			.45			3.43
Markleeville, Cal.	.16	.20	.16	1.61				.91	.57		1.00			.26			2.40	.16				.98		.18	.15		1.51	T.	.70			10.95
Woodfords, Cal.	.44	.05	T.	.62	.34	.40	T.	1.20	.90	1.00			.28	.60	1.00		1.20	.18				*	1.35	.30	.18		1.92	.40	.32			12.68
Walker Basin.																																
Mina			.30					1.10										.45							.32					.16		2.33
Smith	T.	T.	.75				T.			.13			T.				1.98				.13						.89			.13		4.01
Thorne	T.								.03	.02							.29	.02									.60			.02		0.98
Yerington	.10	T.		.27				.40	.10	1.05							.75	.10									.80	.10				3.67
Bridgeport, Cal.	.25	.40	.50	.25				1.75	.50			.05	.10	.10			1.10						.30		.10	.05	.80	.35	.10			6.70
Shields Ranch, Cal.	.20	.33	.35	.67				.56	.33	.65				.08			1.88	.09					.03		.35		1.43	.16	.03			7.14
Colorado Basin.																																
Caliente																																
Indian Springs																																
Las Vegas	T.	1.25	.45							.10						*	*	1.07									.85	.80	T.	.15		4.67
Logan										.15							.56	.43									.43	T.				1.57
Pioche	.25	.60	.10			.12				.48				.15	.10		.28	2.08	.23					.02	.40	.08	.95			.90		6.74
Minor Basins.																																
Belmont																																
Cherry Creek	.13	.05	.02	.12	T.	.07			.40	.11				.07	.03	.10	.23	.74	.28	.01		T.	T.		.10	.05	.38	.61	.05			3.55
Columbia	.01	.05	.04	.01	.19	.03			.05	.15	.01						.15	1.05	.01					.08	.01		.58	.13	.05			2.60
Duck Flat	.04	.28	.84				T.		.12	.11			.10	T.			1.42	.18			T.		.02	T.	.11		.42	T.	.03			3.67
Francis	.07	.26	1.27	.38				.10	.34	.09			.05	.10			.95	.21					.11		.04	.01	.50	.02	.16			4.66
Gerlach																																
Jean																																
Jungo	.21					T.			T.	.05	T.		T.	T.			.48	.01									.22		.04			1.01
Lida	T.	.14			.35				.23		.69						.71	.79					T.	T.	T.	T.	1.01		.09			4.01
McDermit	.12	.04	.23					.20	.24	.60			.04	.40			T.		.24						.30		T.	T.	.20			2.61
McGill	.15			.22		.15			.20	.05					.14		.27	1.40							.10		1.90					4.61
Millett	.05							.18		.15							.22	1.05							.15		.40					2.20
Oasis Ranch								.20	.20	.10							.95	.25									.32		.02			2.04
Pahrump																																
Pyramid																																
Quinn River Ranch	.20	.10	.67	.10	T.	T.		.05	.14	.06			.09	.60	.03		.19	.29						.14	.04			.14	.06			2.90
Rebel Creek	.07	.05	.01	.23		T.	T.	.12	.12	.01		T.	.01	.06			.08	.02	.15			.05		.03	.02			.10	.02			1.15
Rhyolite	.08	.55							T.	.05	.02			.04		T.	.90	1.00						T.			1.00		.07	T.		3.71
Sand Pass																																
Searchlight						T.			T.	.03						.18	.82	1.31	.02								1.13	.18		.06		3.73
Sharp	.10	.10	.25	T.	.05			T.			.75			.28	*	.28	.14	1.13	.42				.10	.10	.30		*	1.00	.90	.40		6.30
Sulphur		.20	.50	.20				.25						.05			.25	.20										.02	.02			1.69
Tonopah***	.01	.01		.03	.06			.04		.48					T.	.07	.30	.65					T.	.01	.01		.33		.02			2.02
Vya		.18	.80	T.	T.	T.	T.	.75	.60	T.	T.	T.	.54	.27	.18	.33	T.	.62						.30	.07	.08	.62	.07	T.		T.	5.41

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight.

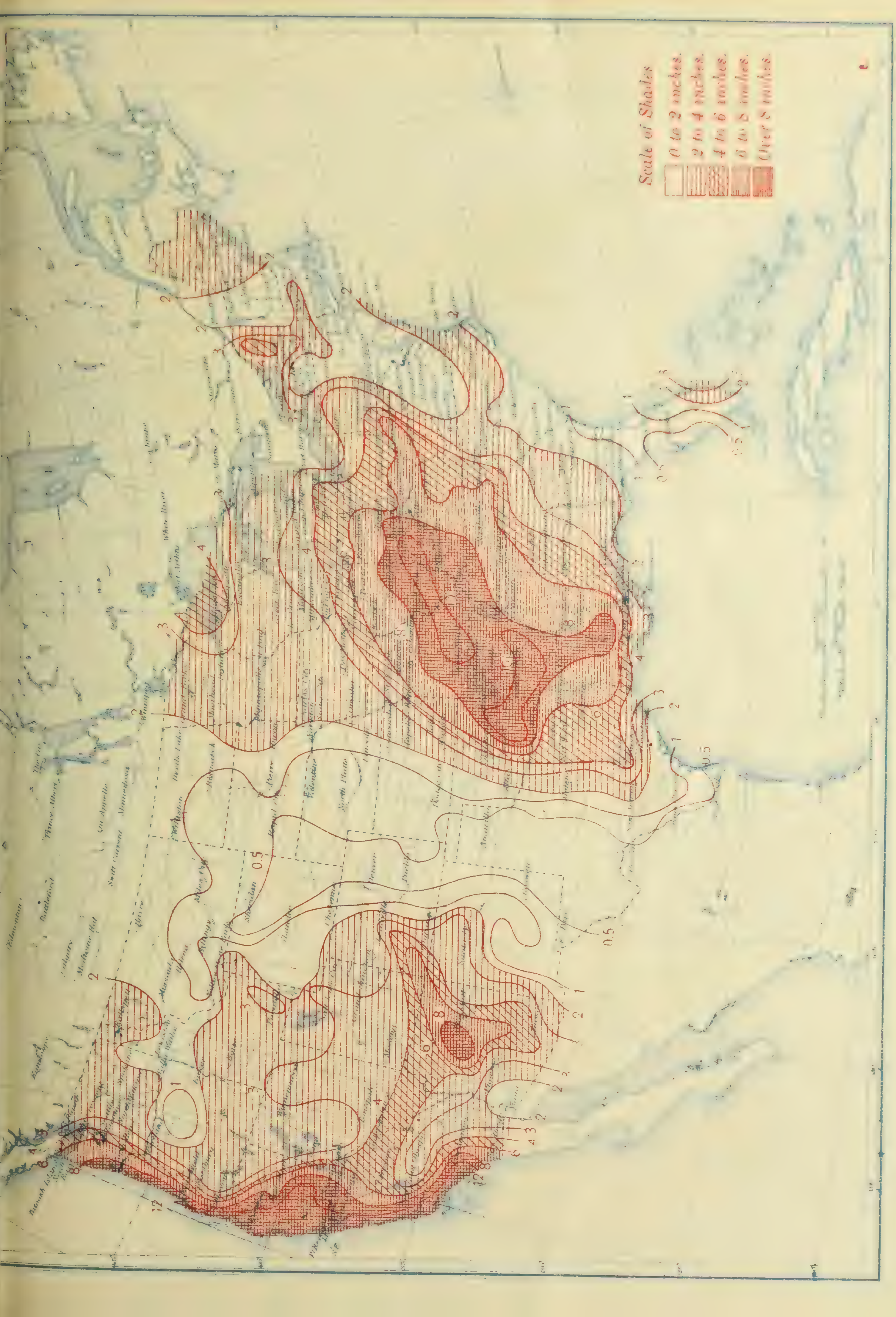
‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

T. Trace, or less than 0.01 inch.

Daily temperatures for January, 1916.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek (near)	Maximum..	32	34	36	30	24	26	30	32	28	20	17	19	25	26	20	20	29	25	20	25	23	30	36	34	32	20	20	18	12	20	15	25.1
	Minimum..	6	12	18	12	-4	-2	-1	18	13	15	8	-25	0	18	-1	-8	3	15	10	0	-10	0	26	12	20	-5	-8	-12	-12	-6	0	3.6
Owyhee	Maximum..	..	..	..	..	36	32	45	40	40	28	20	24	28	32	31	26	26	30	26	28	30	40	44	38	38	26	22	26	20	18	22	30.2
	Minimum..	..	..	..	..	...	22	15	21	10	12	5	2	12	12	9	-10	10	-30	6	5	5	12	30	26	15	1	-12	6	3	-8	2	7.0
San Jacinto	Maximum..	26	33	41	38	31	32	36	38	39	29	24	24	29	30	30	25	22	27	27	23	31	34	40	38	38	34	47	23	23	18	21	30.7
	Minimum..	-4	7	29	22	7	-3	9	11	22	20	15	-3	11	21	8	-11	3	18	19	-13	-8	6	29	27	31	10	2	13	6	-10	10	9.8
Humboldt Basin.																																	
Austin	Maximum..	31	37	43	37	35	40	45	44	30	23	18	29	32	30	34	25	41	31	30	34	41	37	44	30	31	27	31	22	20	19	20	32.0
	Minimum..	10	29	23	10	12	11	20	20	15	9	-3	12	14	11	4	19	20	15	4	4	6	15	23	24	16	13	10	6	-6	-4	-2	11.6
Beowawe §§	Maximum..	30	47	46	42	32	38	44	43	38	28	30	33	35	34	34	30	30	35	30	12	25	35	45	38	32	28	27	25	25	28	20	32.9
	Minimum..	13	16	30	13	11	13	22	29	24	3	8	10	18	22	7	11	23	22	-12	-25	-19	25	11	14	16	19	19	-1	-22	-17	-17	9.2
Carlin	Maximum..	27	30	32	38	36	37	36	34	38	40	24	25	29	30	37	30	27	26	30	23	21	30	36	34	36	31	24	23	20	19	22	29.8
	Minimum..	11	10	17	13	7	9	5	14	10	12	10	-7	19	16	19	-8	16	22	24	-8	-16	0	12	5	31	12	15	17	11	-19	-6	8.8
Clover Valley	Maximum..	24	33	40	40	47	35	39	39	40	39	29	20	26	27	37	26	22	30	36	28	30	32	42	40	35	35	27	27	22	18	27	32.0
	Minimum..	-3	15	29	27	7	3	9	29	24	23	9	-6	14	19	16	-2	16	15	17	-6	-6	4	28	18	28	17	7	11	-1	-6	0	11.5
Dry Farm	Maximum..	24	38	43	43	32	34	37	42	45	31	27	25	25	29	30	29	26	31	29	29	34	40	38	38	38	23	27	20	17	23	27	31.4
	Minimum..	14	19	35	21	9	16	15	26	23	21	17	7	17	21	12	3	12	19	20	8	17	28	35	25	15	10	11	8	3	5	7	16.2
Elko	Maximum..	24	27	46	43	32	35	33	40	42	32	27	23	28	29	35	32	27	28	28	26	20	34	42	39	35	33	23	22	22	20	20	30.5
	Minimum..	7	13	26	26	-1	-2	0	23	20	16	13	-5	18	16	18	-6	16	21	23	-10	-19	13	18	8	20	15	12	12	12	-20	-10	9.5
Eureka	Maximum..	21	34	40	38	34	36	38	39	38	35	20	23	25	28	40	30	34	35	33	30	33	28	36	36	34	32	23	30	25	20	20	31.2
	Minimum..	10	18	32	25	10	8	22	24	23	15	9	-5	13	17	11	7	17	20	15	-2	-1	15	25	24	26	12	12	8	5	-10	-9	12.8
Golconda	Maximum..	26	38	48	48	34	35	32	36	38	29	26	36	38	32	28	26	28	32	28	12	40	44	36	38	38	29	38	41	30	28	23	33.4
	Minimum..	12	18	28	14	17	15	20	22	23	8	5	11	14	14	0	17	16	19	-7	-14	8	26	16	20	13	18	16	14	-11	-11	0	11.6
Imlay	Maximum..	34	38	39	40	51	41	43	41	42	37	38	34	36	34	37	33	31	31	32	22	18	37	49	43	45	34	26	29	28	27	22	35.2
	Minimum..	15	20	30	30	28	22	11	22	30	15	9	4	18	16	12	11	10	18	22	-10	-12	9	26	21	30	20	19	12	10	-9	-10	14.5
Paradise Valley	Maximum..	24	34	46	48	36	33	42	33	36	33	25	21	29	33	30	22	33	35	31	20	26	33	42	40	37	33	28	26	28	19	22	31.6
	Minimum..	10	4	20	11	5	6	3	13	13	21	1	-14	6	15	8	-13	6	15	12	-15	-16	-5	25	15	30	3	-1	13	6	-19	-15	5.3
Potts	Maximum..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tecoma	Maximum..	18	20	29	30	40	37	39	35	28	30	30	25	21	25	30	30	28	22	30	33	25	27	30	35	38	35	30	22	23	22	21	28.6
	Minimum..	-2	0	2	10	2	2	8	7	10	12	3	-8	0	7	15	-1	5	15	15	-11	-18	-15	5	7	17	3	-5	-18	-15	-18	-22	0.4
Wells	Maximum..	28	34	42	40	33	40	36	39	32	28	26	20	25	24	28	23	22	27	29	22	24	29	38	33	34	25	23	19	21	18	20	28.5
	Minimum..	12	22	20	18	6	-5	20	24	16	8	-16	6	18	17	-5	5	11	20	-19	-28	-20	10	5	8	10	4	13	0	-20	1	6	5.4
Winnemucca	Maximum..	30	42	51	39	35	40	41	36	34	34	27	30	32	36	36	28	28	29	28	14	30	36	46	37	40	30	25	26	27	24	26	32.8
	Minimum..	15	16	32	22	15	16	9	16	20	17	10	4	19	17	12	1	16	20	-2	-10	-15	12	28	25	24	12	14	15	-8	-14	-5	11.4
Truckee Basin.																																	
Fernley	Maximum..	33	36	47	42	39	42	46	43	40	32	31	35	41	40	39	38	33	30	46	34	23	36	35	34	46	40	31	30	27	27	18	35.9
	Minimum..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Glenbrook	Maximum..	25	37	37	35	38	39	44	36	34	33	34	30	31	30	30	30	35	32	35	39	35	40	40	36	35	34	32	28	30	25	25	33.7
	Minimum..	19	21	30	28	24	12	17	28	30	28	0	5	20	22	20	10	21	20	15	7	9	26	32	21	20	16	12	10	18	3	2	17.6
Reno	Maximum..	33	40	43	32	24	33	47	42	33	31	22	34	41	36	36	28	30	29	35	16	20	48	47	43	44	30	26	32	30	20	18	33.0
	Minimum..	18	21	31	14	7	8	17	29	26	12	-1	-9	25	29	14	8	12	12	3	-11	-17	18	29	26	28	21	20	18	3	-4	-13	12.7
Fallen Leaf, Cal.	Maximum..	25	35	35	36	28	30	35	32	35	32	26	26	26	26	24	28	41	33	35	29	35	38	36	33	33	28	24	26	29	20	15	30.1
	Minimum..	18	25	32	27	11	9	15	24	20	18	11	3	12	22	14	16	21	18	16	2	12	20	22	30	28	21	20	21	13	11	2	17.2
Tahoe, Cal.	Maximum..	29	34	39	46	42	44	38	34	36	28	26	32	26	26	33	34	36	32	32	35	42	34	42	34	32	34	30	31	20	28	32	33.6
	Minimum..	19	19	29	24	3	5	10	24	22	9	-14	-8	20	18	18	3	18	18	9	-8	-4	24	32	20	22	8	20	10	12	-15	-14	11.4
Carson Basin.																																	
Fallon	Maximum..	39	42	52	45	40	43	49	41	43	38	30	37	40	43	38	34	34	30	34	27	16	39	45	40	48	40	30	36	26	21	13	36.5
	Minimum..	16	15	39	21	14	14	12	26	30	23	10	4	18	30	20	15	25	27	18	-14	-22	10	24	20	25	13	21	6	14	-18	-20	14.1
Gardnerville	Maximum..	..	..	42	37	32	29	45	41	....	44	41	39	39	39	39	....	34	35	34	29	16	45	....	49	43	39	32	32	29	24	18	35.6
	Minimum..	..	..	17	19	4	3	15	30	....	21	-14	-10	27	28	21	....	6	9	17	-17	-24	11	....	25	34	19	18	14	20	-13	-16	10.2
Lahontan §§	Maximum..	38	45	50	43	41	43	49	43	36	29	27	34	41	42	38	32	48	42	43	23	28	47	52	51	47	38	36	43	40	22	12	38.8
	Minimum..	11	22	24	20	19	18	17	27	20	11	7	11	16	22	15	21	26	17	3	-7	6	20	25	24	13	18	9	15	-4	-9	-5	13.9
Walker Basin.																																	
Mina	Maximum..	35	45	41	44	44	43	47	43	43	35	33	25	35	37	45	37	40	35	30	22	21	30	40	40	40	40	45	40	30	20	20	36.3
	Minimum..	20	20	21	30	25	21	23	27	30	17	13	4	10	23	30	26	26	25	0	-8	-5	9	25	26	26	26	30	10	4	-14	-12	16.4
Thorne	Maximum..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Yerington	Maximum..	38	33	48	41	36	38	48	40	41	34	27	30	40	40	47	38	33	33	28	18	20	34	33	40	44	34	27	30	26	15	14	33.8
	Minimum..	10	6	29	22	8	11	8	21	25	15	0	-6	11	30	34	13	10	6	13	-22	-21	9	15	13	9	10	21	13	5	-16	-20	9.1
Bridgeport, Cal.	Maximum..	30	33	35	32	26	15	35	40	40	20	18	30	30	30	30	25	34	36	24	15	12	42	42	34	34	30	31	24	33	16	16	28.8
	Minimum..	-4	9	30	18	-18	-16	-3	22	20	10	-23	-25	14	24	12	-3	12	16	2	-32	-29	5	32	11	21	-3	12	6	13	-34	-36	2.0
Colorado Basin.																																	
Las Vegas	Maximum..	36	46	58	66	59	61	59	58	58	53	49	46	48	58	60	62	51	62	60	62	58	54	50	52	56	46	62	55	48	48	48	54.5
	Minimum..	13	33	28	31	34	34	26	27	42	35	31	17	21	25	24	30	30	30	32	32	33	35	31	30	27	34	31	36	30	28	22	29.4
Logan	Maximum..	40	48	64	64	58	61	61	57	63	58	50	47	41	43	61	56	54	64	54	59	56	59	54	63	54	56	54	59	51	49	46	55.0
	Minimum..	28	37	30	30	35	32	30	29	40	41	36	18	24	29	39	41	40	43	32	37	30	33	36	38	42	34	30	32	29	31	21	33.1
Pioche	Maximum..	26	29	40	37	38	40	42	42	44	44	30	31	30	28	34	33	34	39	41	41	41	40	41	40	38	41	40	43	37	31	22	36.7
	Minimum..	13	22	27	30	28	12	12	24	32	22	11	-2	4	18	18	27	20	32	22	12	8	9	20	30	30	25	28	18	10	7	2	18.4
Minor Basins.																																	
Belmont	Maximum..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cherry Creek	Maximum..	26	38	42	44	32	31	39	45	40	29	19	25	28	27	35	29	27	23	30	25	33	38	42	40	37	33	22	30	24	18	15	31.2
	Minimum..	3	10	31	28	8	5	13	22	24	19	7	-12	10	20	25	14	13	16	17	-3	5	15	26	23	29	12	2	13	-3	-16	-13	11.7
Columbia	Maximum..	24	31	38	37	38	37	37	39	41	33	33	24	25	24	36	34	36	37	33	24	33	33	34	35	36	33	37	37	29	23	21	32.6
	Minimum..	14	22	31	31	27	13	24	27	27	20	8	-3	9	17	23	18	28	28	17	3	0	16	29	31	32	16	25	14	11	3	-2	18.0
Gerlach	Maximum..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lida	Maximum..	25	31	38	38	37	37	37	40	41	35	25	24	25	34	34	34	44	39	34	35	32	32	34	38	36	34	37	37	25	25	25	33.6
	Minimum..	8	19	28	30	26	17	14	22	29	19	11	-8	-2	6	23	12	25	31	15	8	4	15	16	20	22	15	20	5	4	0	2	14.7
McDermit	Maximum..	22	31	40	46	31	32	38	36	34	28	30	29	28	34	30	31	20	31	26	31	26	35	45	55	37	29	25	23	24	20	22	31.3
	Minimum..	2	11	22	16	10	8	9	20	11	20	11	9	-2	21	-1	1	14	10	7	-4	1	11	28	26	26	4	6	14	5	13	6	10.8
McGill	Maximum..	27	37	46	40	34	34	37	45	41	32	22	21	27	29	35	30	30	33	30	28	27	31	38	38	35	33	19	30	23	19	20	31.3
	Minimum..	12	21	29	29	14	7	19	23	27	20	7	-5	10	15	24	16	14	17	16	-1	5	17	26	28	26	17	10	13	-3	-10	-10	14.0
Millett	Maximum..	27	37	44	41	38	32	42	47	42	31	27	25	32	34	39	34	40	39	33	22	16	12	41	34	37	34	27	30	24	20	14	32.7
	Minimum..	9	16	33	30	7	10	10	28	28	20	-4	14	2	22	12	12	20	28	14	-21	-29	-12	18	24	19	10	10	14	-4	-26	-31	9.1
Oasis Ranch	Maximum..	24	35	50	41	44	40	41	45	43	34	25	26	29	32	34	38	38	43	40	40	21	34	40	41	37	41	40	32	28	25	12	35.3
	Minimum..	16	22	31	31	30	18	20	15	23	20	9	-4	-2	14	14	11	27	30	15	-10	-17	-2	24	30	27	8	20	11	5	-14	-13	13.2
Quinn River Ranch	Maximum..	24	31	45	39	35	37	45	37	36	31	37	31	34	34	33	28	24	24	30	23	21	34	47	41	40	33	....	26	29	21	23	32.4
	Minimum..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rebel Creek	Maximum..	29	30	39	38	38	35	42	39	36	39	26	26	31	36	38	40	31	31	28	22	29	36	43	42	40	32	32	26	27	23	24	33.2
	Minimum..	13	15	25	24	13	15	15	23	22	21	5	11	24	24	16	10	14	18	15	1	5	11	31	32	29	14	13	13	13	0	2	15.7
Rhyolite	Maximum..	35	42	51	49	48	49	51	51	51	48	35	36	37	34	48	44	42	51	48	45	43	46	45	44	47	44	47	48	37	36	35	44.1
	Minimum..	19	28	33	35	36	27	29	33	39	30	28	15	20	23	30	33	31	38	29	25	24	30	34	36	37	30	30	26	21	21	17	28.6
Sand Pass	Maximum..	30	28	41	36	33	41	38	44	35	31	30	31	33	37	31	29	30	33	34	19	20	37	50	44	44	37	26	30	27	24	20	33.0
	Minimum..	16	18	26	24	18	26	16	25	26	21	11	5	13	23	11	9	22	24	11	-10	-15	0	25	29	30	20	20	18	13	-15	-6	14.6
Searchlight	Maximum..	35	48	55	56	55	54	55	53	50	45	37	40	43	40	45	45	46	48	42	45	45	50	53	51	48	48	44	42	40	37	31	46.0
	Minimum..	21	34	34	36	39	34	35	35	41	32	25	22	25	32	34	40	39	42	30	32	30	34	35	37	41	33	34	32	27	21	20	32.5
Sharp	Maximum..	24	30	36	38	37	39	35	44	40	34	24	24	25	26	35	32	35	36	35	34	22	36	38	40	40	34	34	36	34	30	16	33.0
	Minimum..	6	18	22	28	26	10	10	10	29	22	12	-5	4	2	23	22	23	25	19	4	-2	7	19	29	21	19	17	14	0	-2	-5	13.8
Sulphur	Maximum..	30	28	46	40	37	39	41	44	41	35	30	31	33	38	34	33	32	30	18	20	24	39	48	45	41	42	43	37	28	22	20	34.5
	Minimum..	0	8	22	25	18	18	21	26	25	24	12	8	15	20	17	11	11	15	0	0	14	12	10	15	2	10	12	8	0	9	5	12.7
Tonopah	Maximum..	24	33	39	34	35	33	35	38	36	30	17	18	22	26	31	30	36	35	30	25	25	31	32	32	33	26	36	22	21	13	14	28.8
	Minimum..	12	24	31	30	23	20	23	26	24	11	10	4	12	16	24	23	27	22	15	11	13	21	27	30	26	16	21	13	10	6	4	18.5

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
Winnipeg
Prince Albert
Qu'Appelle
Swift Current
Medicine Hat
Calgary
Edmonton
Battleford
Devils Lake
Bismarck
Valentine
North Platte
Pierre
Huron
Sheridan
Cheyenne
Denver
Pueblo
Amarillo
Boise
Helena
Spokane
Portland
Kamloops

Snowfall in the elevated regions of Nevada Section, January, 1916.

January was an unusually cold, wet, and stormy month in all the watersheds covered by this report. The snowfall was phenomenally heavy, and in some localities unprecedented. Mr. A. F. Scott, snowfall observer at Bridgeport, Cal., has stated that the snowstorms of January were the severest experienced in that section in 20 years. Snow blockades in the Sierras west of Truckee caused long and frequent delays in traffic on the transcontinental lines. On some of the railroads running north and south of Reno both passenger and freight traffic was suspended for several days, due to the drifting of snow over the tracks. At Reno, a record-breaking snowstorm that yielded 22.5 inches of snow in 24 hours, occurred on the 17th, and put the street cars out of business for several days. A train on the N. C. O. R. R. that had left Reno for the north just before this storm was still snowbound at the close of the month.

In the Truckee watershed the monthly fall, on the western slope of Lake Tahoe, ranged from 155 inches at Tallac to 238 inches at Tahoe; the average for 6 stations was 193 inches, which is about 197 per cent of the normal. On the eastern slope, the fall was from 131.5 inches at Bijou to 199.5 inches at Marlette Lake, and the average for 3 stations, 172 inches, was 243 per cent of the normal. For the whole watershed, the snowfall averaged 182 inches, or 220 per cent of the normal. At all stations except Tallac and Truckee, this was the heaviest snowfall on record. The seasonal snowfall for the period from September 1 to January 31 for this watershed averages 239.3 inches, which is 180 per cent of the normal. At the close of the month, the snow cover ranged from 76 inches in depth at Bijou to 172 inches at Fallen Leaf; as compared with the normal the depth was from 11 to 82 per cent greater.

In the Carson watershed, two stations reporting, the monthly fall ranged from 99 to 149 inches, the amount recorded at Markleeville being 202 per cent, and that at Woodfords, 372 per cent of the normal. The depth of snow on the ground on the 31st was 51 inches at Markleeville and 41 inches at Woodfords; this is 37 and 38 inches, respectively, more than the normal.

In the Walker watershed, three stations reporting, the fall was from 39 inches at Smith to 120 inches at Bridgeport, and averaged 77 inches for the three stations, which is 536 per cent of the normal. It was in this watershed that the most marked departures from normal conditions occurred. The snow on the ground at the close of the month ranged from 16 inches in depth at Smith to 39 inches at Bridgeport; the excess, as compared with normal, ranging from 15 to 32 inches.

In the Humboldt watershed, the average snowfall based on seven reports was 37.7 inches; this is 419 per cent of the normal, the monthly amounts recorded having ranged from 20.8 inches at Winnemucca to 66.5 inches at Jack Creek, near Tuscarora. At the close of the month the snow was 6 inches deep at Winnemucca and 30 inches at North Fork, which is considerably above the normal.

On the last day of the month Lake Tahoe was at a stage of 6228.05 feet, having risen 1.04 feet during January, which is nearly one-half foot more than the normal rise. For the same date last year the stage was 6227.02 feet. From the foregoing it is evident that the prospects for an ample supply of water for irrigation are excellent.

SNOWFALL.
(Inches.)

Stations.	Counties.	Total snowfall.	Amount on ground on 15th of month.	Amount on ground on last day of month.	Depth on last day of month compared with normal.
Truckee Basin.					
Bijou, Cal.	....	131.5	56	76	+ 4
Fallen Leaf, Cal.†	....	187.0	131	172	+11
Glenbrook	Douglas	185.0	60	84	+ 5
Hobart Mills, Cal.	....	206.0	87	80	+ 4
McKinney, Cal.	....	227.0	73	90	+ 3
Marlette Lake	Douglas	199.5	......	105	+ 1
Tahoe, Cal.	....	238.0	96	125	+ 7
Tallac, Cal.	....	155.0	90	96	+ 5
Truckee, Cal.	....	143.0	60	84	+ 5
Carson Basin.					
Markleeville, Cal.	....	99.0	36	51	+ 3
Woodfords, Cal.	....	149.0	24	41	+ 3
Walker Basin.					
Bridgeport, Cal.	....	120.0	20	39	+ 3
Shield's Ranch, Cal.	....	72.0	13	34	+ 3
Smith	Lyon	39.0	2	16	+ 1
Humboldt Basin.					
Arthur	Elko	......	......	......	......
Beowawe	Lander	25.0	1	8	+
Dry Farm	Elko	......	......	......	......
Eureka	Eureka	50.5	7	24	+ 2
Halleck	Elko	......	......	......	......
Hylton	do	......	......	......	......
Jack Creek	do	66.5	24	24	......
Metropolis	do	......	......	......	......
Millett	Nye	28.0	0	15	+ 1
North Fork	Elko	38.2	22	30	+ 2
Wells	Elko	35.2	......	14	+ 1
Winnemucca	Humboldt	20.8	......	6	+

† Formerly Cathedral Park, Cal.

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

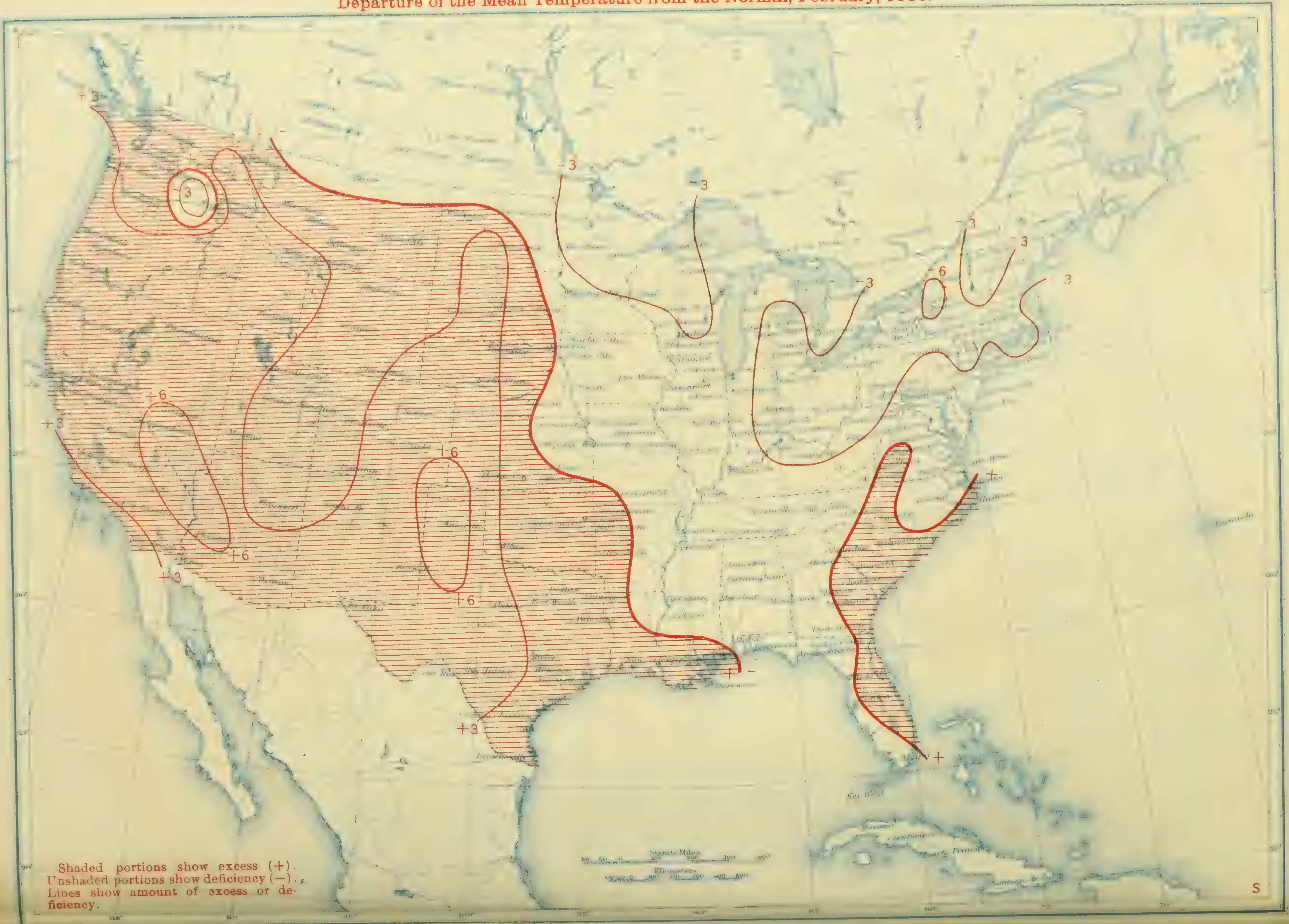
NEVADA SECTION

FEBRUARY, 1916

BY
HENRY F. ALCIATORE
SECTION DIRECTOR

RENO, NEV.
WEATHER BUREAU OFFICE
MARCH, 17, 1916.

Departure of the Mean Temperature from the Normal, February, 1916.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALCIATORE, Section Director.

Vol. XXXI. Reno, Nevada, February, 1916. No. 2.

GENERAL SUMMARY.

Considered as a whole the month was an unusually mild and pleasant one for this time of year, and in spite of frequent rains and snows in the first and last decades the precipitation was somewhat below the normal. The mean temperatures ranged from 26° in the northwestern part of Nye County to 54° in Clark County, and with three exceptions were above the average at all stations for which ten-year normals are available. The extremes, 80° at Logan and 25° below zero at Millet, were within the limits of previous years.

Precipitation in excess of the normal occurred in Elko and Humboldt counties, and in a few localities in the southern counties, but over the rest of the State there was a marked deficiency. The monthly fall ranged from one inch to more than three inches in some parts of Mineral, Washoe, Humboldt and Elko counties but elsewhere it was less than one inch. Snow fell at 39 out of 47 stations; the monthly fall ranged from less than one-tenth inch at several places to 39 inches in Elko County and averaged 7.2 inches for the State, which is slightly below the normal.

Belated reports from the northeastern portion of Lincoln County indicate a 20 per cent loss in sheep, due to the heavy snows of January. The weather in February was very favorable to the cattle interests. Barring an unusually rapid thaw, there will be plenty of water for irrigation this summer. Some farm work has been done in the southern part of the State. At Yerington winter wheat was 2 inches high. In the Las Vegas district trees were leafing rapidly, and alfalfa was more than a foot in height.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 42 stations, was 36.8°. The mean for the 27 stations having ten or more years record was 4.0° above the normal. The highest recorded was 80° at Logan, on the 15th, 16th and 20th; the lowest was −25° at Millett on the 1st. The greatest daily range was 54° at Wells on the 27th. The highest monthly mean was 54.2°, at Logan; the lowest monthly mean was 26.1°, at Millett.

PRECIPITATION.

The average for 49 stations reporting was 0.89 inch. For the 29 stations having ten or more years record, the mean was 0.13 inch below the normal. The average amount at 2 stations in the Columbia Basin was 2.03 inches; at 17 stations in the Humboldt Basin, 1.19 inches; at 9 stations in the Truckee Basin, 3.03 inches; at 3 stations in the Carson Basin, 2.03 inches; at 5 stations in the Walker Basin, 0.86 inch; at 3 stations in the Colorado Basin, 0.68 inch; at 16 stations in the minor basins, 0.56 inch. The greatest monthly fall was 3.20 inches at Marlette Lake; the least was 0.05 inch at Oasis Ranch. The average number of days with precipitation was 5.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric Pressure (sea level)			Mean relative humidity		Average hourly velocity	Wind: Maximum velocity		
	Mean.	Highest.	Lowest.	[illegible]	[illegible]		Miles per hour	[illegible]	[illegible]
Reno	30.13	30.73	29.55	81	50	5.3	33	w.	29
Winnemucca	30.14	30.67	29.52	86	62	7.6	[illegible]	sw.	28
Tonopah	30.15	30.69	29.70	76	63	6.8	30	nw.	[illegible]

SUNSHINE AND CLOUDINESS.

At Reno 70 per cent of the possible sunshine was recorded; at Winnemucca, 67 per cent; at Tonopah, 65 per cent. For the State, the average number of clear days was 14; partly cloudy, 6; cloudy, 9.

MISCELLANEOUS PHENOMENA.

(Dates of.)

Brisk Winds.—2, 5, 27, 28, 29.
Solar Halos.—7, 8, 11, 13, 20, 24, 25, 29.
Lunar Halos.—10, 11, 14, 18.
Sleet.—3, 4, 7, 22, 26, 27.
Fog.—3, 15, 18, 25.
Thunderstorms.—21.

COMPARATIVE DATA FOR FEBRUARY.

Year.	Temperature. Mean.	Highest.	Lowest.	Average precipitation.	Average snowfall.	Number of days. With precipitation.	Clear.	Partly cloudy.	Cloudy.	Prevailing wind.
1889										
1890	30.7	88	−41	1.55	15.8	6	10	8	10	s.
1891	30.5	66	−19	2.39	10.4	8	8	8	12	s.
1892	33.4	65	−18	0.95	8.8	4	11	8	10	s.
1893	29.0	69	−40	1.43	13.8	5	10	7	11	w.
1894	25.7	71	−41	1.92	19.3	6	11	7	10	sw.
1895	31.1	77	35	1.23	11.1	4	13	6	9	n.
1896	35.4	86	−12	0.02	1.1	2	13	10	6	w.
1897	29.6	67	−22	2.09	14.3	8	8	7	13	sw.
1898	36.9	79	− 2	0.29	1.5	2	12	10	6	w.
1899	33.3	73	−27	0.55	4.7	4	13	7	8	w.
1900	35.3	76	−12	0.51	2.6	1	11	6	11	sw.
1901	31.6	77	−27	2.61	14.0	8	7	5	16	sw.
1902	36.4	75	−16	1.42	10.6	6	7	9	12	sw.
1903	20.7	86	−32	0.56	5.9	3	17	5	6	n.
1904	35.9	73	−15	2.48	8.6	7	9	7	13	sw.
1905	37.8	80	37	1.13	8.1	4	14	6	8	n.
1906	36.4	69	2	1.03	4.4	5	10	6	12	sw.
1907	41.9	78	9	1.28	1.7	4	11	7	10	n.
1908	34.6	79	−10	1.07	9.0	4	12	9	8	s.
1909	33.5	73	− 7	1.03	7.5	5	9	9	10	sw.
1910	30.6	79	27	0.37	4.4	2	11	9	8	sw.
1911	27.8	67	−26	1.12	11.2	5	12	7	9	s.
1912	36.3	79	− 3	0.26	0.6	2	11	10	8	w.
1913	31.8	74	−20	0.44	5.4	3	14	7	7	w.
1914	35.5	79	−16	0.87	3.8	5	15	6	7	w.
1915	36.5	70	− 5	1.38	10.5	7	7	8	13	sw.
1916	36.8	80	−25	0.89	7.2	5	14	6	9	w.
Entire period	33.1	88	−41	1.14	8.0	5	11	7	10	sw.

LATE REPORTS.

January, 1916.—San Jacinto, total precipitation, 0.61 inch; total snowfall, 6.8 inches; number of days with precipitation, 7. Dry Farm, total precipitation, 1.45 inches; total snowfall, 29.0 inches; number of days with precipitation, 11. Fallen Leaf, total precipitation, 15.25 inches; number of days with precipitation, 20. Sand Pass, total precipitation, 3.66 inches; total snowfall, 28.0 inches; number of days with precipitation, 14. Halleck, total precipitation, 1.92 inches; total snowfall, 24.0 inches; number of days with precipitation, 11. Potts, mean temperature, 19.2°; highest, 47° on the 17th; lowest, −25° on the 31st; total precipitation, 2.96 inches; total snowfall, 37.0 inches; number of days with precipitation, 9; clear, 3; partly cloudy, 8; cloudy, 20. Caliente, mean temperature, 27.2°; highest, 50° on the 22d, 23d, 26th and 27th; lowest, −10° on the 12th; total precipitation, 3.18 inches; total snowfall, 7.5 inches; number of days with precipitation, 8; clear, 14; partly cloudy, 0; cloudy, 17. Quinn River Ranch, highest temperature, 47 on the 23d; total precipitation, 2.90 inches; total snowfall, 12.0 inches; number of days with precipitation, 16; clear 8; partly cloudy, 3; cloudy 20. Arthur, total precipitation, 4.52 inches; total snowfall, 45.8 inches; number of days with precipitation, 13. Clover Valley, total precipitation, 2.44 inches; total snowfall, 50.2 inches; number of days with precipitation, 13.

Climatological data for February, 1916.

Stations.	Counties.	Elevation, feet.	Temperature, in degrees Fahr.								Precipitation, in inches.					Number of days				Prevailing direction of the wind.	Observers.
			Length of record, years.	Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.§	Total snowfall (unmelted.)	With precipitation (0.01 inch or more.)	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	3	27.1		49	14	-6	28	38	3	3.12		0.92	39.0	10	17	2	10	n.	U. S. Forest Service.
Jack Creek **	do	6,300									3										C. E. Butler.
Owyhee	do	5,400	5	27.2		49	20	0	13	46	5						21	0	8		Indian Service.
San Jacinto	do	5,200	11	33.0	+4.2	50	†10	11	28	28	11	0.94	+0.40	0.46	9.2	10	13	11	5	s.	Utah Construction Co.
Humboldt Basin.																					
Arthur	Elko	6,500									6	3.15	+1.86	0.93	30.3	9	19	3	7		Isaac Woodhouse.
Austin	Lander	6,594	27	35.6	+6.1	58	13	10	27	34	27	0.96	-0.38	0.26	10.1	8	23	4	2		Forest Service.
Battle Mountain	do	4,513	45	41.9	+9.5	70	†22	5	1	50	47	0.72	-0.03	0.32	9.0	3	12	14	3		Southern Pacific Co.
Beowawe	Eureka	4,695	45	37.0	+5.9	56	†18	2	28	43	47	0.73	+0.02	0.40	4.0	4	18	0	11	se.	Do.
Carlin ††	Elko	4,896	45	28.8g	+2.0	45g	17	8g	†21	34g	45	0.30	-0.56	0.20	3.0	2				w.	Western Pacific Co.
Clover Valley **	do	6,000	15	32.1	+3.1	52	†10	-1	1	38	23	2.72	+0.55	1.08	8.4	11	12	6	11	w.	I. F. Wiseman.
Dry Farm **§	do	5,600	4								7										Walfrid Sohlman.
Elko	do	5,063	45	30.7	-2.0	50	10	4	28	31	46	1.83	-0.62	0.58	9.5	7	14	4	11	w.	Western Pacific Co.
Eureka	Eureka	6,837	18	35.2	+5.5	55	25	-3	1	33	20	0.41	-0.69	0.25	9.0	4	11	8	10	s.	Clay Simms.
Golconda	Humboldt	4,392	37	37.2	+3.5	60	11	8	27	35	39	0.56	-0.01	0.24	7.0	3	16	0	13		Southern Pacific Co.
Halleck	Elko	5,229									47										Do.
Hylton	do	7,081									6	1.12		0.36	3.0	4	20	7	2		Chas. Toyne, sr.
Imlay §	Humboldt	4,209	3	39.8	+5.3	61	18	1	1	32	3	0.93	+0.38	0.68	5.0	3	17	0	12		Southern Pacific Co.
Metropolis §	Elko	5,663									7	1.70	-0.68	0.67	23.5	9	14	3	12		L. F. Hatch.
North Fork	do	6,500									7	0.99		0.56	13.0	5	14	1	14	w.	Chas. Pratt.
Paradise Valley	Humboldt	4,500	3	33.6		57	14	-9	1	37	7	1.31		0.35	11.3	12	12	2	15	sw.	R. M. Taylor.
Potts	Nye	6,002	23	29.6	+2.5	47	6	-15	1	37	25	0.12	-0.54	0.08	1.5	2	6	7	16	s.	Miss Maud Potts.
Shafter §	Elko	5,583	3								3										Geo. Kernan.
Tecoma	do	4,812	38	30.5	+3.8	50	†16	-2	28	32	40	0.38	-0.17	0.15	7.7	5	8	10	11		Southern Pacific Co.
Wells	do	5,631	44	28.8	+2.8	45	†7	-9	27	54	47	1.09	+0.07	0.30	21.7	9	11	12	6	se.	Do.
Winnemucca	Humboldt	4,344	39	37.4	+4.0	57	20	6	1	30	47	1.44	+0.48	0.61	5.6	10	11	5	13	ne.	U. S. Weather Bureau.
Truckee Basin.																					
Fernley	Lyon	4,150	43								47										Mrs. G. A. Steele.
Franktown §	Washoe	5,054	1	39.5	+3.9	57	†10	-3	1	34	1	1.30	-2.35	0.42	3.0	4					Agent V. & T. Ry.
Glenbrook	Douglas	6,240	7	33.4		47	19	3	1	35	7				27.0		17	1	11	e.	C. C. Henningsen.
Marlette Lake *	do	7,900									3	3.20		1.05	35.5	8	13	0	16	w.	V. & G. H. Water Co.
Reno	Washoe	4,532	29	41.0	+5.3	61	16	4	1	32	29	0.59	-1.26	0.25	0.6	6	9	10	10	w.	U. S. Weather Bureau.
Bijou, Cal.		6,230									7	2.98		1.11	26.0	9	9	4	16	n.	Chas. Young.
Fallen Leaf, Cal.		6,400	4	31.6		42	7	18	5	18	4	4.70		2.24	46.0	7	11	14	4	s.	W. W. Price.
Hobart Mills, Cal.		5,900									7	2.42		0.54	22.0	12	9	7	13	s.	S. E. Patterson.
McKinney, Cal.		6,225	7								7	4.28		0.98	35.0	14	14	7	8	s.	Fred Jensen.
Tahoe, Cal.		6,230	8	34.6		52	17	-2	1	44	8	4.62		1.11	21.5	13	10	6	13	s.	Mrs. Emma C. Smith.
Tallac, Cal.		6,230									7	3.19		0.96	20.0	9	16	8	5	sw.	Willis D. Sloan.
Carson Basin.																					
Fallon	Churchill	3,965	22	36.1	0.0	58	10	12	1	34	22	0.34	-0.16	0.16	T.	6	12	10	7	ne.	U.S. Experiment Station.
Gardnerville	Douglas	4,830	25	39.0f	+3.0	59f	9	-9f	1	39f	26	0.39	-1.15	0.18	1.0	4				w.	Forest Service.
Lahontan	Churchill	4,200	4	38.2		60	†10	7	1	35	6	0.39		0.15	1.0	5	12	13	4	w.	U.S. Reclamat'n Service.
Markleeville, Cal.		5,525									7	1.04		0.50	7.0	6	12	6	11	s.	Mrs. Mary Thornburg.
Woodfords, Cal. **		5,634									7	3.94		1.50	22.0	8	17	4	8	sw.	Grant P. Merrill.
Walker Basin.																					
Mina §††	Mineral	4,350	9	36.6	-2.5	60	†20	-9	1	34	20	0.01	-0.27	0.01	0	1	19	4	6		Southern Pacific Co.
Smith	Lyon	4,800									8	0.75		0.37	4.0	3	11	13	5	sw.	C. M. Carter.
Thorne §	Mineral	4,200	3	40.8	+2.7	60	20	18	†4	32	3	1.08	+0.71	1.08	T.	1	8	17	4	s.	Southern Pacific Co.
Yerington §	Lyon	4,375	7	35.6	1.2	58	19	-11	1	39	7	0.19	-0.28	0.17	0	3	21	3	5	sw.	High School.
Bridgeport, Cal.		6,500	3	23.6		50	†6	23	1	59	5	1.64		0.56	20.5	7	12	14	3	w.	A. F. Scott.
Shields Ranch, Cal. **		5,300									7	0.66		0.21	1.0	5	13	10	6		Frank W. Chichester.
Colorado Basin.																					
Caliente §	Lincoln	4,407	6	47.8	+14.3	70	†18	30	†3	32	6									w.	Salt Lake Route.
Indian Springs §**	Clark	3,136	3								3										Ira McFarland.
Las Vegas	do	2,033	14	51.2	+6.0	79	15	22	2	42	14	0.25	-0.29	0.25	0	1				s.	C. P. Squires.
Logan §	do	1,355	9	54.2	+5.4	80	†15	23	1	41	17	0.72	+0.08	0.63	0	3	11	14	4		Experiment Farm.
Pioche	Lincoln	6,100	18	37.5	+4.3	58	19	-1	1	30	18	1.06	-0.32	0.28	T.	6	13	13	3		M. L. Lee.
Minor Basins.																					
Belmont	Nye	8,132	16								16										Lloyd G. Nelson.
Cherry Creek	White Pine	6,450	8	32.8		52	10	8	1	36	8	0.57		0.12	6.7	7	13	6	10	w.	J. H. Leishman.
Columbia **	Esmeralda	5,700	9	36.9		62	16	2	1	36	11	0.45		0.24	T.	6	11	5	13	nw.	A. Booth.
Duck Flat	Washoe	4,725									2										H. J. Muller.
Francis ††	do	5,350									2	0.85		0.50	1.5	4	14	10	5	w.	Geo. W. Barnard.
Gerlach	do	3,931	4	40.5		75	16	18	2	50	4	0.14		0.09		2				w.	Western Pacific Co.
Jean	Clark	2,864	8								9										Salt Lake Route.
Jungo	Humboldt	4,165									3	0.77		0.55	5.0	4	13	2	14	sw.	Western Pacific Co.
Lida §	Esmeralda	6,037	4	36.4	+3.8	58	14	0	1	36	4	0.78	+0.11	0.54	0	4	21	5	3	se.	L. F. Detwiler.
McDermitt	Humboldt	4,700	26	35.6	+4.9	60	14	4	1	36	26	1.38	+0.03	0.43	7.0	4	17	4	8	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	6	23.7	+5.2	55	19	-9	1	40	6	0.69	-0.34	0.36	6.0	3	14	8	7	n.	R. E. Middagh.
Millett	Nye	5,040	8	26.1		51	26	-25	1	41	9	0.15		0.10	T.	2	13	3	13		Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	4	27.6	-7.3	52	27	-14	1	38	4	0.05	-0.62	0.04	0	2	24	0	5		Arthur L. Stewart.
Pahrump **	Nye	2,608	3								3										F. A. Buol.
Pyramid (near) **	Washoe										2										F. O. Norton.
Quinn Riv. Ranch **	Humboldt	4,850	14			64	20				15	0.59	-0.05	0.20	3.5	6	11	1	17	s.	F. M. Payne.
Rebel Creek	do	4,300	4	38.6		62	†20	6	1	35	5	1.06		0.49	10.0	8	9	7	13	sw.	Fred Whitaker.
Rhyolite	Nye	3,680	3	47.9		71	15	17	1	36	3	0.61		0.40	0	3	6	15	8	s.	Secretary School Board.
Sand Pass **	Washoe	4,198	3	40.0		60	†10	6	1	31	3	0.46		0.19	1.0	5	12	5	12	s.	R. R. Mott.
Searchlight	Clark	3,445	3	51.4		69	†17	22	1	25	3	0.71		0.59	0	2	12	7	10	n.	C. L. Aug. Mahn.
Sharp	Nye	6,200	3	32.8		55	†11	-8	1	40	3	0.20		0.20	0	1	14	6	9	w.	F. A. Sears.
Sulphur ††	Humboldt	4,041	3	34.0c		59c	23	0c	2	44c	3	0.44		0.32	5.5	3					Western Pacific Co.
Tonopah	Nye	6,090	11	36.4		54	16	9	1	22	11	0.28		0.12	1.1	4	12	8	9	se.	U. S. Weather Bureau.
Vya	Washoe	5,500									3										W. N. Lord.
For the State				36.8	+4.0	80	†15	-25	1	54		0.89	-0.13	1.08	7.2	5	14	6	9	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post office addresses of these stations are as follows: Of Jack Creek, Tuscarora; of Clover Valley, Wells; of Dry Farm, Lamoille; of Marlette Lake, Virginia City; of Woodfords, Cal., Sheridan, Nev.; of Shield's Ranch, Coleville, Cal.; of Indian Springs, Las Vegas; of Columbia, Goldfield; of Duck Flat, Gerlach; of Oasis Ranch, Oasis, Cal.; of Pahrump, Shoshone, via Tecopa, Cal.; of Pyramid (near), Reno; of Quinn River Ranch, Amos; of Sand Pass, Sheepshead.

Reference letters a, b, c, appearing in the table indicate number of days missing, for example, b represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for February, 1916.

Stations.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Columbia Basin.																																
Gold Creek (near)	.16	.32	.16	.32	.21	.16	.08	.06													[illegible]								[illegible]			[illegible]
Jack Creek																																
Owyhee																																
San Jacinto		.06		.08	.06	.06	.03				T	.01										.40				.01	.12		.08			0.91
Humboldt Basin.																																
Arthur	.20	.12	.63	.20		.11	.19																			.10	.31		.03			1.89
Austin ‖	.06		.02	.18																					.03	.12	.26	.11	.15			0.93
Battle Mountain ‖	T							T													T						.16	.32	.21			0.69
Beowawe ‖																					.01						.10	.16	.16			0.43
Carlin																																
Clover Valley	.04	.05	.37	.23		1.08		.20	.19													.18				.25	.13		.07			2.79
Dry Farm																																
Elko			.20		.20			.30	T													.05				*	.75		.33			1.83
Eureka			.08																		T					.03	.25		.05			0.41
Golconda	.16																										.21		.16			0.56
Halleck																																
Hylton		T	.27	.36	T																					.24	.25					1.12
Imlay	.07																									T	.68		.18			0.93
Metropolis ‖	.05	.05	.15	.20		.30	T	T	.02													.18				*	.75					1.70
North Fork		.24				.56															.05						.05		.09			0.99
Paradise Valley	.35	.01	.18	.21	.01	.02	.01	T	.13													.09				.06	.19		.02			1.31
Potts				T																	T					.08			.04			0.12
Shafter																																
Tecoma	.05			.10																		.02				.15	.06					0.38
Wells	.05		.05	.20																	.08	.01				.10	.30	.20	.10			1.09
Winnemucca***	.14	T	.18	.15			T		.05												.04	.01				.20	.43	.14	.13			1.44
Truckee Basin.																																
Fernley																																
Franktown				.24			.29														.42					.35						1.30
Glenbrook																																
Marlette Lake ‖			.38	.45	1.05																				.50	.32	.08	.17	.25			3.20
Reno ***	T		.01	.01			T	T		T											.25					.18	.13	T	.01			0.59
Bijou, Cal.			.21	1.11	.08		.03	T		.70											.21				T	.19	.16		.26			2.98
Fallen Leaf, Cal.			.64	2.24						1.02											.21					.08	.16		.32			4.70
Hobart Mills, Cal.			.39	.54	.30	.08	.13	.01	.04	.08											.13					.18	.13		.41			2.42
McKinney, Cal.		.02	.51	.98	.14	.15	.20		.07	.58	.04										.29				T	.55	.32	.03	.40			4.28
Tahoe, Cal.		.01	.52	1.11	.14	.22	.32	.07	.18	.75											.33					.41	.31	T	.26			4.62
Tallac, Cal.	T			.96		T	.11		.20	.80	.20										.08					.35	.25		.24			3.19
Carson Basin.																																
Fallon																					.01	.01				.01	.16	.01	.11			0.34
Gardnerville				T				.04													.12	.05				T			.18			0.39
Lahontan ‖										.02																.06	.15	.04	.12			0.39
Markleeville, Cal.				.50						.20											.08					.16	.05		.05			1.04
Woodfords, Cal.			.18	.86	.20					.90	.60										.25					.85			.10			3.94
Walker Basin.																																
Mina																																
Smith																					.37						.30	.08	T			0.75
Thorne																					1.08						T	T	T			1.08
Yerington																					.01	.01			T	.17						0.19
Bridgeport, Cal.			.16	.20	.16																.24					.56	.20	.12	T			1.64
Shields Ranch, Cal.				T	.12																.18					.21	.10		.05			0.66
Colorado Basin.																																
Caliente																																
Indian Springs																																
Las Vegas																					.25											0.25
Logan																					.63	.05				.04						0.72
Pioche				T																	.20	.03				.28	.25	.25	.05			1.06
Minor Basins.																																
Belmont																																
Cherry Creek			.03	.06	.02																	T				.12	.20	.08	.06			0.57
Columbia																					.24	.03				.02	.13	.01	.02			0.45
Duck Flat																																
Francis																																
Gerlach																										.09			.05			0.14
Jean																																
Jungo	.07																			.03							.55		.12			0.77
Lida																					*	.51				.07	.17					0.78
McDermit	.40	.20	.35				T		T																	T	.43		T			1.38
McGill		.06		.27																						T	.36		T			0.69
Millett																					T					.10	.05					0.15
Oasis Ranch																					.04					.01						0.05
Pahrump																																
Pyramid																																
Quinn River Ranch	.20	.04	.03	.04	T																					.17	.11		T			0.59
Rebel Creek	.15	.04	.06	.20					.04				T									.08				.20	.29	T				1.06
Rhyolite																					.40					.20	T	.01				0.61
Sand Pass						T			.04												.13	T				.03	.19		.07			0.46
Searchlight																					.59					.12						0.71
Sharp																					T					T	.20					0.20
Sulphur																																
Tonopah***						T														T	.12					.03	.05		.08			0.28
Vya																																

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight.

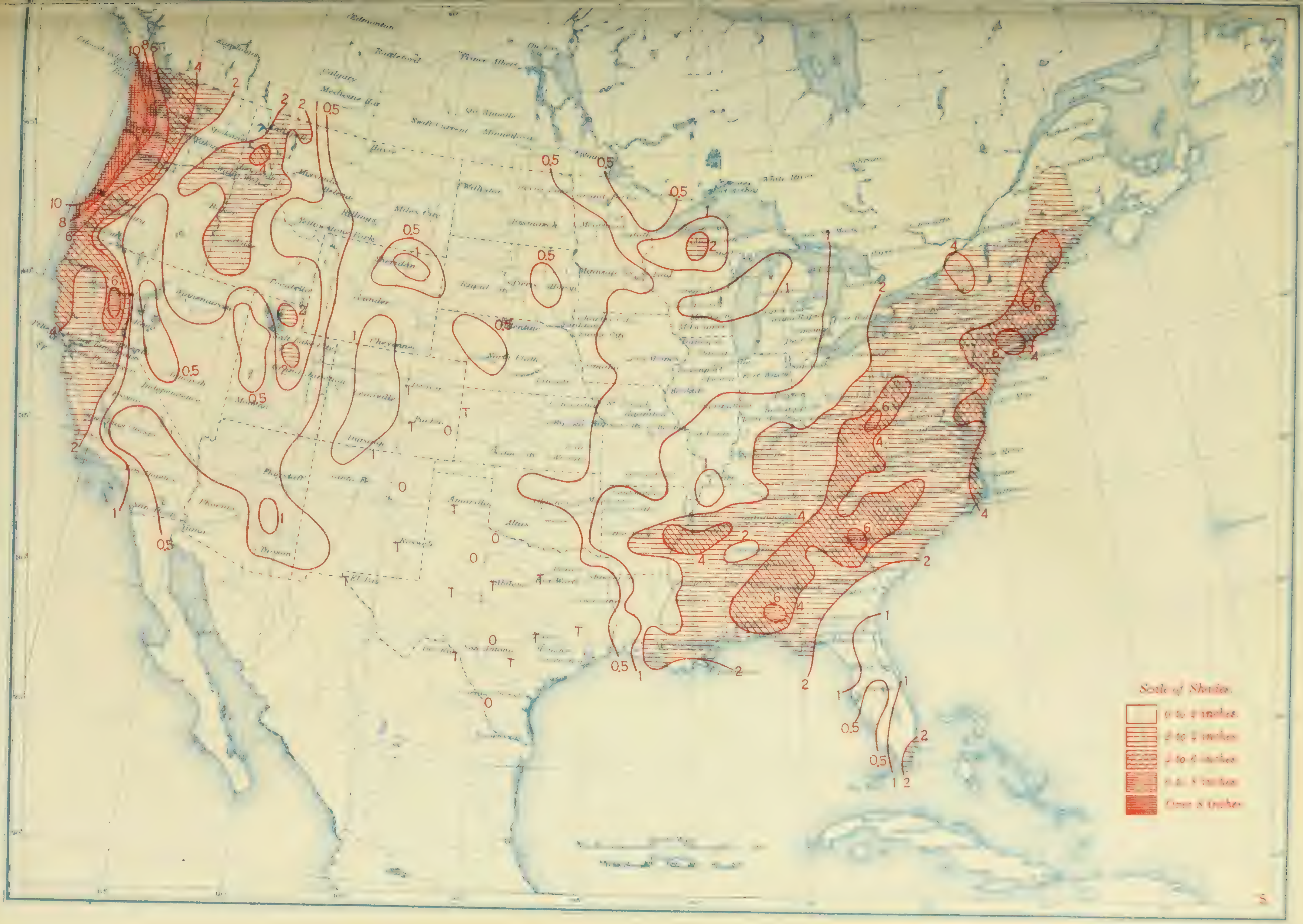
‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

T. Trace, or less than 0.01 inch.

Daily temperatures for February, 1916.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek (near)	Maximum..	16	34	30	35	37	38	34	39	34	42	40	36	37	49	47	45	42	45	44	46	46	42	41	46	48	46	38	28	26	....	....	39.0
	Minimum ..	5	14	25	12	24	23	25	30	18	22	36	6	−1	24	16	12	9	10	10	18	18	25	3	10	12	15	14	−6	11	....	....	15.2
Owyhee	Maximum..	26	38	33	32	36	41	42	40	45	46	48	39	46	46	45	41	44	44	46	49	48	46	45	47	47	43	35	32	30	....	....	41.4
	Minimum ..	8	15	21	20	5	6	22	22	24	24	24	4	0	5	11	10	10	9	10	11	12	16	20	14	12	19	12	2	5	....	....	12.9
San Jacinto	Maximum..	28	38	40	35	39	41	45	42	46	50	45	37	41	50	48	46	42	46	49	50	49	45	45	45	45	39	37	33	30	....	....	42.3
	Minimum ..	15	23	32	23	17	32	38	27	33	33	32	13	23	28	24	22	21	23	29	22	22	23	25	18	19	27	23	11	12	....	....	23.8
Humboldt Basin.																																	
Austin	Maximum..	31	43	40	38	46	50	50	48	56	54	49	47	58	52	48	57	53	50	53	49	44	45	44	50	50	43	38	35	35	....	....	46.8
	Minimum ..	14	25	20	16	21	30	27	26	29	27	23	28	24	27	27	26	24	29	30	30	26	27	26	25	30	29	10	12	21	....	....	24.4
Carlin	Maximum..	....	....	....	....	....	....	....	39	40	39	40	38	40	41	39	41	45	40	39	37	42	42	40	41	38	39	37	34	38	....	....	39.5
	Minimum ..	....	....	....	....	....	....	....	28	30	32	30	10	12	15	9	22	18	21	20	10	8	18	10	8	12	19	28	20	18	....	....	18.1
Clover Valley	Maximum..	20	44	36	37	40	41	48	44	47	52	48	46	40	49	47	41	43	47	42	45	52	44	46	50	48	48	45	30	34	....	....	43.2
	Minimum ..	−1	11	30	26	24	28	34	37	28	33	37	13	9	11	17	15	15	15	19	21	26	30	20	20	18	27	27	4	15	....	....	21.0
Elko	Maximum..	24	40	38	37	36	43	43	43	48	50	46	38	34	40	40	40	40	42	42	46	46	46	44	48	44	44	40	35	33	....	....	41.0
	Minimum ..	13	14	31	26	28	32	28	28	32	28	20	10	7	14	14	13	14	16	18	20	20	33	21	22	19	28	30	4	10	....	....	20.4
Eureka	Maximum..	25	46	44	37	39	51	51	52	46	48	49	45	51	50	52	51	49	45	52	53	44	48	52	52	55	51	44	40	38	....	....	46.9
	Minimum ..	−3	20	27	21	20	30	31	27	30	30	27	17	18	21	23	19	21	22	28	32	27	24	27	22	22	42	24	13	18	....	....	23.4
Imlay	Maximum..	27	40	45	46	50	51	52	57	56	57	55	50	56	55	57	58	60	61	60	59	60	58	56	57	58	55	54	42	41	....	....	52.9
	Minimum ..	1	11	20	30	33	30	31	32	33	34	30	27	25	27	29	30	30	29	28	30	31	30	25	32	31	32	30	15	11	....	....	26.8
Paradise Valley	Maximum..	23	40	40	33	39	46	47	49	51	49	51	47	46	57	54	53	53	50	52	54	52	49	51	51	53	46	39	39	35	....	....	46.5
	Minimum ..	−9	12	29	28	23	28	32	28	29	23	23	12	9	23	19	17	18	14	19	20	21	31	24	22	20	28	28	16	15	....	....	20.8
Tecoma	Maximum..	22	26	37	40	42	45	48	47	48	44	49	47	43	42	47	50	50	48	42	40	40	40	48	47	32	33	31	30	33	....	....	41.1
	Minimum ..	6	8	18	22	21	20	27	30	32	27	22	16	15	12	22	22	24	25	21	20	21	25	24	25	21	20	22	−2	11	....	....	19.9
Wells	Maximum..	32	43	39	33	42	40	45	40	41	42	41	37	31	45	44	42	41	45	42	11	42	42	45	45	42	44	45	34	28	....	....	40.4
	Minimum ..	5	30	27	21	19	25	30	29	27	25	7	8	17	12	11	10	19	18	17	21	31	12	21	11	20	21	−9	−1	13	....	....	17.1
Winnemucca	Maximum..	25	40	39	38	41	46	47	45	50	54	51	46	47	55	56	57	53	53	55	57	55	50	55	55	56	42	39	38	32	....	....	47.5
	Minimum ..	6	23	32	31	27	37	33	34	31	31	29	22	24	30	29	27	26	30	26	31	32	30	25	29	28	35	21	15	15	....	....	27.2
Truckee Basin.																																	
Reno	Maximum..	29	49	43	46	48	55	52	51	54	55	55	53	55	59	59	61	60	56	60	59	47	51	55	56	56	53	46	50	42	....	....	52.2
	Minimum .	4	18	35	34	27	38	35	35	35	45	32	27	28	30	29	29	29	29	31	33	37	31	30	27	29	35	29	22	24	....	....	29.9
Fallen Leaf, Cal.	Maximum..	40	38	28	28	27	41	42	38	40	40	38	39	40	41	38	40	39	38	40	36	37	39	35	35	36	39	37	38	31	....	....	37.2
	Minimum ..	31	33	20	21	18	28	31	29	33	34	30	28	29	28	25	26	24	23	22	20	21	25	25	25	25	28	30	21	21	....	....	26.0
Tahoe, Cal.	Maximum..	42	42	36	34	42	45	42	47	51	51	49	45	48	50	49	48	52	50	49	50	45	46	43	50	46	41	41	41	34	....	....	45.1
	Minimum ..	2	24	28	28	17	30	36	24	30	36	27	21	20	23	20	19	19	21	23	38	32	26	20	17	22	27	36	27	12	....	....	24.2
Carson Basin.																																	
Fallon	Maximum..	22	28	47	44	43	45	49	44	50	58	51	43	43	49	49	51	51	52	54	57	50	53	53	56	56	55	49	48	47	....	....	48.2
	Minimum ..	−12	14	19	24	16	30	18	23	23	28	28	22	22	25	24	26	26	26	27	29	37	26	28	26	26	36	31	21	28	....	....	24.0
Gardnerville	Maximum..	26	50	48	44	47	55	49	58	59	58	....	....	...	54	54	55	55	54	56	....	56	....	49	53	54	55	....	54	49	....	....	51.8
	Minimum ..	−9	11	33	34	27	37	29	36	45	31	....	....	....	25	25	24	25	24	27	....	29	....	25	23	25	31	....	23	25	....	....	26.3
Lahontan §§	Maximum..	34	37	47	52	48	54	56	50	53	60	44	42	45	48	47	49	50	50	53	54	55	49	54	50	57	60	55	47	46	....	....	49.9
	Minimum ..	7	17	27	22	30	23	28	26	29	30	24	22	27	24	26	27	27	28	31	38	26	28	28	29	35	34	20	24	29	....	....	26.4
Walker Basin.																																	
Mina	Maximum..	20	28	33	35	36	36	41	40	45	48	54	50	48	54	52	54	57	55	58	60	57	51	55	60	60	55	55	50	52	....	....	48.2
	Minimum ..	−9	12	17	26	28	26	24	23	21	30	26	28	26	24	24	25	23	27	29	29	35	26	29	30	26	37	32	24	28	....	....	25.0
Yerington	Maximum..	28	36	44	45	44	44	51	44	46	56	52	47	49	50	51	52	54	52	58	57	50	50	51	54	53	55	51	48	44	....	....	48.8
	Minimum ..	−11	8	15	29	19	27	12	20	26	28	28	21	21	20	27	24	23	25	26	27	35	24	25	25	26	33	29	11	25	....	....	22.3
Bridgeport, Cal.	Maximum..	36	40	41	37	38	50	43	40	50	44	44	31	32	32	30	30	29	32	34	35	40	32	30	27	31	41	41	41	34	....	....	36.7
	Minimum ..	−23	20	24	20	18	25	15	12	33	40	20	−4	−1	2	−2	−4	−4	0	6	8	26	1	−1	−4	1	26	24	4	24	....	....	10.6
Colorado Basin.																																	
Las Vegas	Maximum..	46	49	58	64	65	67	67	67	66	66	72	73	73	75	79	78	78	74	75	76	60	63	70	70	70	66	65	60	60	....	....	67.3
	Minimum ..	23	22	25	25	35	35	34	34	35	36	36	36	37	35	41	36	42	36	37	42	45	38	33	39	39	39	36	33	38	....	....	35.2
Logan	Maximum..	47	51	57	60	65	67	63	68	67	66	72	74	74	77	80	80	78	78	78	80	61	65	71	76	75	68	73	70	68	....	....	69.3
	Minimum ..	23	26	28	30	33	34	38	36	39	36	43	45	33	39	42	44	44	45	45	50	46	42	39	48	44	43	43	37	40	....	....	39.1
Pioche	Maximum..	28	38	41	40	49	47	53	51	51	52	56	47	41	52	45	53	50	55	58	57	50	50	57	50	55	45	47	40	35	....	....	48.0
	Minimum ..	−1	8	21	25	29	27	30	27	36	31	31	26	23	26	32	32	28	28	30	32	29	26	33	30	31	33	37	19	25	....	....	27.0
Minor Basins.																																	
Cherry Creek	Maximum..	28	44	38	37	41	50	50	46	48	52	47	39	41	43	41	43	44	43	50	49	47	46	47	46	47	43	40	34	37	....	....	43.6
	Minimum ..	−8	16	27	23	24	31	27	30	33	34	33	16	10	18	19	14	17	22	21	25	25	32	22	20	19	30	29	5	22	....	....	21.9
Columbia	Maximum..	26	37	35	34	40	46	48	51	45	46	48	47	50	51	54	62	52	56	59	58	49	48	55	56	57	52	54	48	42	....	....	48.5
	Minimum ..	2	16	20	25	22	25	30	24	28	29	27	24	22	24	24	26	25	25	28	30	31	27	26	27	29	38	35	21	25	....	....	25.3
Gerlach	Maximum..	40	46	43	46	46	47	46	50	50	55	53	62	46	52	68	75	65	53	52	70	52	52	65	54	54	53	53	47	46	....	....	53.1
	Minimum ..	22	18	24	30	33	32	30	30	30	38	32	28	25	25	26	25	26	26	25	34	33	28	28	28	28	25	35	22	23	....	....	27.9
Lida	Maximum..	36	40	36	40	40	51	55	52	47	51	54	50	53	58	57	57	57	54	56	55	50	44	55	54	57	49	49	45	42	....	....	49.8
	Minimum ..	0	17	9	9	10	20	19	19	23	22	28	26	23	24	29	40	25	29	27	29	30	13	22	30	34	34	34	20	24	....	....	23.1
McDermit	Maximum..	22	34	37	35	39	44	44	40	47	46	44	51	47	60	57	57	48	53	53	56	52	48	53	52	57	47	38	38	36	....	....	46.0
	Minimum ..	4	16	29	26	24	21	34	28	30	28	27	15	19	29	29	29	30	32	27	30	32	32	27	26	25	31	26	21	8	....	....	25.3
McGill	Maximum..	29	35	35	33	37	42	45	45	46	49	50	45	52	46	44	52	48	46	55	53	46	46	51	47	47	47	42	36	34	....	....	44.2
	Minimum ..	−9	20	23	24	28	29	35	28	36	34	27	18	12	21	21	17	18	20	27	28	26	31	22	20	17	32	31	13	23	....	....	23.2
Millett	Maximum..	13	25	35	37	44	40	45	45	45	44	41	39	30	35	43	37	37	39	41	47	42	43	41	47	44	51	47	38	39	....	....	39.8
	Minimum ..	−25	4	15	24	15	29	18	20	20	20	17	5	2	1	2	3	5	4	7	12	22	21	12	10	8	26	25	13	25	....	....	12.4
Oasis Ranch	Maximum..	18	31	30	37	36	37	39	36	41	44	37	39	38	43	45	40	39	40	44	43	45	48	45	46	45	48	52	50	47	....	....	40.8
	Minimum ..	−14	−1	7	10	18	14	14	13	14	12	12	11	5	8	7	8	7	15	15	21	29	21	18	16	19	32	35	25	27	....	....	14.4
Rebel Creek	Maximum..	21	40	44	38	39	46	45	44	49	52	51	52	46	59	60	59	56	57	58	62	62	52	57	59	59	51	38	37	40	....	....	49.4
	Minimum ..	6	18	30	30	31	34	39	33	32	34	32	24	24	29	31	29	30	27	25	27	28	31	26	27	27	32	27	17	22	....	....	27.7
Rhyolite	Maximum..	46	40	46	54	49	58	58	61	58	59	65	62	65	70	71	69	67	66	67	67	61	54	67	66	66	61	58	55	50	....	....	59.9
	Minimum ..	17	26	26	29	32	34	40	36	39	38	39	41	33	34	38	40	39	39	41	45	39	38	33	38	40	42	40	31	34	....	....	35.9
Sand Pass	Maximum..	27	36	44	44	48	54	53	49	51	60	51	51	49	55	57	56	56	58	56	58	54	54	56	57	60	52	46	52	44	....	....	51.3
	Minimum ..	6	14	20	30	28	34	35	34	30	43	30	26	25	28	28	28	29	30	28	34	40	30	28	30	31	38	32	21	20	....	....	28.6
Searchlight	Maximum..	36	44	54	51	55	61	62	63	65	68	68	59	60	63	66	65	69	66	69	69	62	55	58	60	62	58	60	55	52	....	....	59.8
	Minimum ..	22	27	34	37	39	39	42	41	43	43	49	47	44	43	50	50	54	50	50	51	43	34	44	48	50	46	48	37	38	....	....	42.9
Sharp	Maximum..	16	24	30	42	44	47	47	51	48	48	55	42	51	55	53	52	52	51	50	52	44	45	46	48	53	54	45	40	44	....	....	45.8
	Minimum ..	−8	−2	6	11	20	24	26	21	27	25	25	14	11	20	25	22	22	21	20	30	28	28	19	26	25	29	32	12	14	....	....	19.8
Sulphur	Maximum..	20	40	39	42	42	45	50	50	....	58	55	53	48	54	55	....	58	56	53	....	58	51	59	....	....	57	52	43	42	....	....	49.2
	Minimum ..	2	0	5	10	18	21	25	30	....	31	30	15	25	28	22	....	22	20	15	....	22	20	15	....	....	34	18	12	10	....	....	18.8
Tonopah	Maximum..	27	33	31	34	35	39	42	44	41	43	44	44	47	47	50	54	47	49	54	52	42	42	49	51	52	47	47	40	33	....	....	43.4
	Minimum ..	9	25	19	23	26	30	33	34	33	33	33	29	30	32	33	34	33	28	38	40	31	30	33	30	35	35	25	19	23	....	....	29.5

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
Edmonton
Battleford
Prince Albert
Calgary
Medicine Hat
Swift Current
Spokane
Helena
Billings
Miles City
Williston
Bismarck
Sheridan
Lander
Cheyenne
North Platte
Salt Lake City
Amarillo
El Paso
Phoenix
Yuma
Tucson
San Antonio
0.5
1
2
4
6
8
10
T
0

Snowfall in the elevated regions of Nevada Section, February, 1916.

In the Sierras the snowfall was relatively light but in the Humboldt watershed it was considerably above the normal. Snow fell frequently in the first decade and also from the 26th to the 29th; the amounts recorded, however, were generally small. There has been a good accumulation of snow in the mountains during the winter, and at the close of February the depth of the snow cover was greater than usual at all but four of the twenty-two stations reporting. Owing to the light snowfall of the current month in the Lake Tahoe district, the seasonal percentage has dropped from 185 per cent at the close of January to 159 per cent at the close of February.

The temperature was unusually mild for this time of the year.

In the Truckee watershed the monthly fall ranged from 18 inches at Truckee to 46 inches at Fallen Leaf, on the western slope of Lake Tahoe, the average fall for 6 stations being 27 inches, which is about 70 per cent of the normal. On the eastern slope the fall was from 26 inches at Bijou to 36 inches at Marlette Lake; the average for three stations on that slope was 30 inches, or about 69 per cent of the normal. The seasonal snowfall in this watershed for the period from December 1st to February 29th averaged about 252 inches, which is 159 per cent of the normal. At the close of the month the depth of the snow cover ranged from 30 inches at Truckee and Tallac to 100 inches at Fallen Leaf, and was from 3 to 41 inches above the normal, except at Tallac, where it was 17 inches less than the average.

In the Carson watershed, two stations reporting, the fall ranged from 7 inches at Markleeville to 22 inches at Woodfords, an average of 14.5 inches for the watershed, which is 58 per cent of the normal. At Woodfords the fall was only 13 per cent less than the normal, while at Markleeville the deficiency was 70 per cent. The snow appears to have melted much more rapidly at the former station, for at the close of the month the snow cover was 3 inches below normal at Woodfords and 4 inches above at Markleeville.

In the Walker watershed, three stations reporting, the snowfall was very unevenly distributed, and has ranged from 1 inch at Shields Ranch to 20 inches at Bridgeport. The average fall for this watershed, 8.5 inches, was 56 per cent of the normal. At the close of the month the snow cover was 26 inches in depth at Bridgeport, or 10 inches more than the average, while at Shields Ranch it was only one inch deep.

In the Humboldt watershed the snowfall was very heavy in some places and unusually light in others. At Millet the fall was less than one-tenth inch, while at Arthur it was 30 inches. The average for this watershed, 8 stations reporting, was 13.4 inches, which is 168 per cent of the normal. With the exception of Eureka, the snow cover at the close of the month was from 2 to 20 inches deeper than usual.

Lake Tahoe on the last day of the month was at a stage of 6228.09 feet, compared with 6228.05 feet at the close of January, 1916 and 6227.60 feet at the end of February, 1915.

In view of the fact that the seasonal snowfall in the Tahoe basin this year is greater than that of any other season since 1910, the indications are that Lake Tahoe will reach an unusually high level this summer.

SNOWFALL.
(Inches.)

Stations.	Counties.	Total snowfall.	Amount on ground on 15th of month.	Amount on ground on last day of month.	Depth on last day of month compared with normal.
Truckee Basin.					
Bijou, Cal.		26.0	51	45	+15
Fallen Leaf, Cal.†		46.0	112	100	+41
Glenbrook	Douglas	27.0	52	36	+16
Hobart Mills, Cal.		22.0	50	40	+ 9
McKinney, Cal.		35.0	66	66	+16
Marlette Lake	Douglas	35.5	98	78	+11
Tahoe, Cal		21.5	79	74	+21
Tallac, Cal		20.0	42	30	−17
Truckee, Cal.		18.0	48	30	+ 3
Carson Basin.					
Markleeville, Cal.		7.0	19	7	+
Woodfords, Cal.		22.0	15	2	−
Walker Basin.					
Bridgeport, Cal.		20.5	18	26	+10
Shield's Ranch, Cal.		1.0	11	1	+ 1
Smith	Lyon	4.0	0	T.	− 1
Humboldt Basin.					
Arthur	Elko	30.3	24	31	+2
Beowawe	Lander	4.0	0	4	+
Dry Farm	Elko	......	......	......	......
Eureka	Eureka	9.0	1	4	
Halleck	Elko	......	......	......	......
Hylton	do	......	......	......	......
Jack Creek	do	......	......	......	......
Metropolis	do	23.5	10	13	+
Millett	Nye	T.	8	6	+
North Fork	Elko	13.0	19	20	+
Wells	Elko	21.7	0	6	+
Winnemucca	Humboldt	5.6	0	2	+

† Formerly Cathedral Park, Cal.

NNE

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

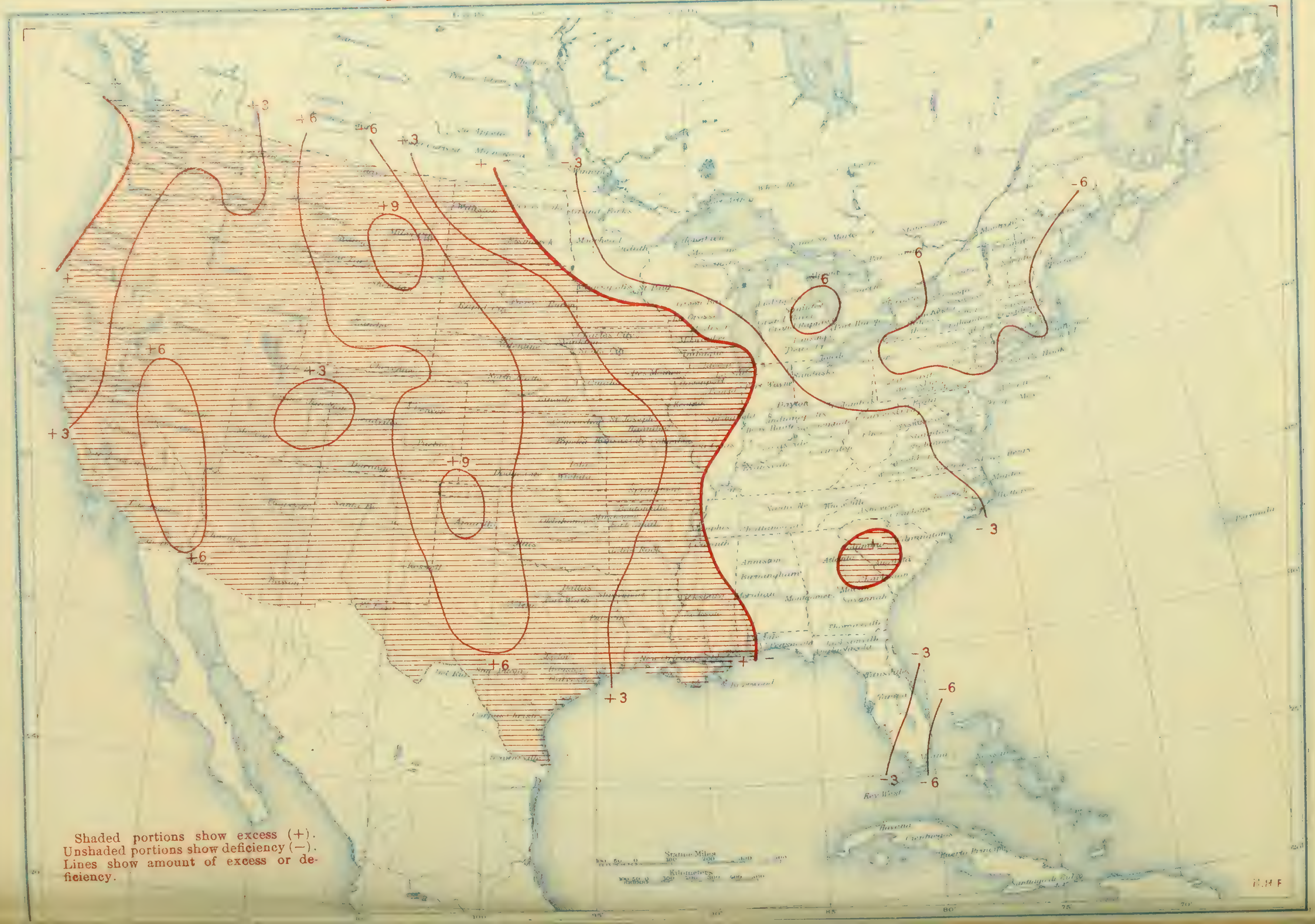
NEVADA SECTION

MARCH, 1916

BY
HENRY F. ALCIATORE
SECTION DIRECTOR

RENO, NEVADA
WEATHER BUREAU OFFICE
APRIL 14, 1916.

Departure of the Mean Temperature from the Normal, March, 1916.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALCIATORE, Section Director.

VOL. XXXI. RENO, NEVADA, MARCH, 1916. No. 3.

GENERAL SUMMARY.

March opened with unusually cold and stormy weather, and a heavy fall of snow in the high mountain districts. On the 6th the thermometer dropped to 2° below zero in Elko County; the temperature rose considerably on the 7th and barring a few cold nights in the last decade, remained rather high thereafter; abnormally high temperatures were recorded here and there between the 9th and 16th—some of them record breakers. The mean temperature was above the normal everywhere, and has been exceeded but once in the last 28 years—namely, in 1910.

Precipitation, mostly in the form of snow, occurred over large areas on the 1st, and at scattered places during the four days following; a period of bright, sunny weather followed which lasted until the 17th: unsettled and showery weather prevailed from the 18th to the 23d—general though light rains having occurred on the 20th and 23d, except in the southern counties. At a number of places in the central and eastern counties the monthly fall was from 1 to 2.70 inches; over the rest of the State, however, it was less than 1 inch, and in some parts of the southern district there was none at all. As compared with the normal the precipitation was deficient generally, except in a few localities in Elko, Nye, and Lincoln counties, where there was a slight excess. The snowfall at ordinary levels was considerably heavier than that of March last year, but the average was below the 28-year normal. There is plenty of snow in the high mountain ranges of the northern district. At Elko, the stage of the Humboldt River at the close of the month was about 19 inches above the normal. The prospects for an ample supply of water for irrigation are very good.

The combined effects of high temperature and bright sunshine have caused premature budding of fruit in some districts; plums blossomed on the 15th at Reno, and apricots on the 18th at Rebel Creek. The alfalfa crop in the southern districts was doing very well. Stock was in good condition, and much sheep shearing had been accomplished.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 42 stations, was 45.2°. The mean for the 28 stations having ten or more years record was 5.3° above the normal. The highest recorded was 92° at Logan, on the 9th; the lowest was −2° at Gold Creek on the 6th. The greatest daily range was 61° at Battle Mountain on the 13th, 14th and 18th. The highest monthly mean was 60.8°, at Logan; the lowest was 31.2°, at Gold Creek.

PRECIPITATION.

The average for 54 stations reporting was 0.74 inch. For the 30 stations having ten or more years record, the mean was 0.31 inch below the normal. The average amount at 3 stations in the Columbia Basin was 1.45 inches; at 17 stations in the Humboldt Basin, 0.91 inch; at 10 stations in the Truckee Basin, 2.36 inches; at 5 stations in the Carson Basin, 0.30 inch; at 5 stations in the Walker Basin, 0.40 inch; at 4 stations in the Colorado Basin, 0.99 inch; at 20 stations in the minor basins, 0.56 inch. The greatest monthly fall was 2.70 inches at Jack Creek; there was none at Logan. The average number of days with precipitation was 4.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric Pressure (sea level)			Mean relative humidity		Wind			
	Mean.	Highest.	Lowest.	5 a. m.	5 p. m.	Average hourly velocity	Maximum velocity		
							Miles per hour	Direction.	Date.
Reno	30.05	30.56	29.45	66	28	7.6	39	se.	1
Winnemucca	30.06	30.55	29.38	79	36	8.1	35	nw.	[illegible]
Tonopah	30.03	30.51	29.31	60	32	11.3	18	nw.	3

SUNSHINE AND CLOUDINESS.

At Reno 83 per cent of the possible sunshine was recorded; at Winnemucca, 76 per cent; at Tonopah, 81 per cent. For the State, the average number of clear days was 18; partly cloudy, 6; cloudy, 7.

MISCELLANEOUS PHENOMENA.

(Dates of)

Brisk Winds.—1, 2, 3, 4, 5, 6, 19, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30.

Solar Halos.—25, 27.

Lunar Halos.—11, 14, 17, 18, 20, 22.

Sleet.—1, 5, 20, 28, 29.

Thunderstorms.—20.

Hail.—Winnemucca, 20; Rebel Creek, 20 and 28; Searchlight, 23.

COMPARATIVE DATA FOR MARCH.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	44.1	85	12	1.45	1.7	5	14	8	9	s.
1890	39.0	82	15	1.71	7.0	6	13	8	10	s.
1891	38.9	78	2	1.55	6.7	6	10	10	11	sw.
1892	40.3	78	−2	1.81	12.8	8	9	11	11	w.
1893	35.9	85	−21	1.90	15.6	7	8	9	14	s.
1894	38.4	88	−13	1.02	9.1	5	9	4	18	sw.
1895	37.7	80	−23	0.82	5.2	4	14	9	8	w.
1896	39.4	90	−18	1.15	7.1	6	10	9	12	w.
1897	30.9	80	−19	1.39	13.3	7	9	9	13	w.
1898	35.0	79	−10	0.63	6.8	4	14	9	8	w.
1899	38.6	79	4	1.83	5.7	7	9	8	14	sw.
1900	44.2	81	3	0.51	3.3	3	17	5	9	sw.
1901	38.9	90	0	0.59	4.8	4	15	7	9	w.
1902	35.2	69	0	1.47	10.3	6	11	8	12	sw.
1903	38.7	90	−8	1.41	9.2	5	12	7	12	s.
1904	39.7	80	0	1.69	5.7	8	8	8	15	sw.
1905	41.8	82	3	1.43	2.4	6	12	6	13	sw.
1906	38.5	83	−15	1.68	6.8	7	10	9	12	w.
1907	38.3	83	−10	2.66	20.5	8	6	10	15	s.
1908	40.7	91	−6	0.30	2.8	2	16	10	5	w.
1909	38.8	80	−10	0.67	5.4	4	12	11	8	w.
1910	45.9	88	10	0.17	0.6	2	16	8	7	sw.
1911	42.7	93	3	1.21	5.3	6	15	7	9	s.
1912	37.3	78	−1	1.17	10.3	6	11	10	10	w.
1913	37.2	91	−15	0.35	4.4	3	14	9	8	w.
1914	44.4	87	4	0.19	1.8	2	20	7	4	s.
1915	42.8	89	−5	0.45	2.8	3	16	8	7	w.
1916	45.2	92	−2	0.74	4.7	4	18	6	7	w.
Entire period	39.6	93	−23	1.14	6.9	5	13	8	10	w.

CORRECTIONS.

February, 1916, report.—Page 11, pressure, humidity and wind data table, Tonopah, highest barometer should be 30.72; lowest, 29.61. Winnemucca, highest barometer should be 30.73.

LATE REPORTS.

January, 1916.—Gerlach, mean temperature should be 22.8°; highest 49° on the 8th; lowest, −19° on the 20th. Hylton, total precipitation, 1.93 inches; total snowfall, 22.0 inches; number of days with precipitation, 9; clear, 6; partly cloudy, 19; cloudy, 6.

February, 1916.—Belmont, mean temperature, 33.2°; highest, 60° on the 14th; lowest, −4° on the 1st; total precipitation, trace; total snowfall, trace. Caliente, mean temperature, 47.8°; highest, 70° on the 18th, 19th and 27th; lowest, 30° on the 3d, 13th and 14th; total precipitation, 1.85 inches; total snowfall, 2.0 inches; number of days with precipitation, 4. Duck Flat, total precipitation, 0.46 inch; total snowfall, trace; number of days with precipitation 3; clear, 19; partly cloudy, 8; cloudy, 2. Vya, total precipitation, 1.51 inches; total snowfall, 14.0 inches; number of days with precipitation, 8; clear, 14; partly cloudy, 15; cloudy, 0. Jack Creek, total precipitation, 2.10 inches; total snowfall, 21.0 inches; number of days with precipitation, 8; clear, 16; partly cloudy, 5; cloudy, 8. Glenbrook, total precipitation, 2.81 inches; number of days with precipitation, 7.

Climatological data for March, 1916.

Stations.	Counties.	Elevation, feet.	Temperature: Length of record, years.	Temperature: Mean.	Temperature: Departure from the normal.	Temperature: Highest.	Temperature: Date.	Temperature: Lowest.	Temperature: Date.	Temperature: Greatest daily range.	Precipitation: Length of record, years.	Precipitation: Total.	Precipitation: Departure from the normal.	Precipitation: Greatest in 24 hours.	Precipitation: Total snowfall (unmelted.)	Number of days: With precipitation (0.01 inch or more.)	Number of days: Clear.	Number of days: Partly cloudy.	Number of days: Cloudy.	Prevailing direction of the wind.	Observers.
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	3	31.2		55	†12	−2	6	37	3	0.82		0.52	15.0	5				n.	U. S. Forest Service.
Jack Creek**	do	6,300									3	2.70		0.80	19.0	6	13	15	3	w.	C. E. Butler.
Owyhee	do	5,400	5								5										Indian Service.
San Jacinto	do	5,200	11	40.0	+3.8	66	17	11	1	42	11	0.82	−0.09	0.29	3.9	9	18	1	12	s.	Utah Construction Co.
Humboldt Basin.																					
Arthur	Elko	6,500									6	1.31	+0.37	0.43	17.8	5	23	1	7		Isaac Woodhouse.
Austin	Lander	6,594	27	40.4	+5.1	69	16	11	23	40	27	1.48	−0.02	0.56	11.0	6	19	6	6		Forest Service.
Battle Mountain	do	4,513	45	49.8	+8.4	89	18	21	13	61	47	0.52	−0.16	0.32	4.0	2	20	4	7		Southern Pacific Co.
Beowawe	Eureka	4,695	45	42.4	+1.6	75	18	18	1	42	47	0.52	−0.13	0.27	0	2	25	1	5	s.	Do.
Carlin	Elko	4,896	45	40.6	+4.6	68	17	8	2	34	45	0.30	−0.56	0.20	T.	2				w.	Western Pacific Co.
Clover Valley**	do	6,000	15								23										I. F. Wiseman.
Dry Farm **§	do	5,600	4								7										Walfrid Sohlman.
Elko	do	5,063	45	39.8	+2.9	66	16	7	2	41	46	2.20	+0.72	1.05	7.0	6	15	4	12	w.	Western Pacific Co.
Eureka	Eureka	6,837	18	42.2	+5.2	72	12	12	24	40	20	1.88	−0.27	0.75	18.5	5	15	6	10	s.	Clay Simms.
Golconda	Humboldt	4,392	37	45.8	+5.3	78	16	22	23	38	39	0.17	−0.40	0.16	2.0	2	14	0	17	w.	Southern Pacific Co.
Halleck	Elko	5,229									47										Do.
Hylton	do	7,081									6	2.09		0.69	12.0	6	20	5	6		Chas. Toyne, sr.
Imlay §	Humboldt	4,209	3	44.2	+4.0	76	11	20	31	46	3	T.	−0.55	T.	T.	0	13	9	9	n.	Southern Pacific Co.
Metropolis §	Elko	5,661									7	0.55	−0.60	0.40	2.0	3	16	5	10	w.	L. F. Hatch.
North Fork	do	6,500									7	0.88		0.60	8.0	3	18	4	9	w.	Chas. Pratt.
Paradise Valley	Humboldt	4,500	3	41.4		71	16	6	2	45	7	0.83		0.42	8.0	7	12	5	14	sw.	R. M. Taylor.
Potts	Nye	6,002	23	38.8	+5.5	64	†17	6	2	36	25	1.06	+0.23	0.48	13.0	5	8	8	15	s.	Miss Maud Potts.
Shafter §	Elko	5,583	3								3										Geo. Kernan.
Tecoma	do	4,812	38	40.8	+3.6	78	19	0	24	46	40	0.35	−0.05	0.16	4.0	3	11	17	3	sw.	Southern Pacific Co.
Wells	do	5,631	44	37.6	+2.2	68	17	6	2	42	47	0.70	−0.45	0.24	7.5	5	18	10	3	sw.	Do.
Winnemucca	Humboldt	4,344	39	44.2	+4.6	75	11	18	24	46	47	0.62	−0.33	0.47	2.2	6	14	7	10	sw.	U. S. Weather Bureau.
Truckee Basin.																					
Franktown §	Washoe	5,054	1	45.3	+5.1	74	†9	17	24	43	1	0.38	−3.54	0.24	3.0	2	17	6	8	w.	Agent V. & T. Ry.
Glenbrook	Douglas	6,240	7								7	1.20		0.45	16.0	5					C. C. Henningsen.
Marlette Lake**	do	7,900									3	1.96		1.02	25.0	5	17	0	14	s.	V. & G. H. Water Co.
Reno	Washoe	4,532	29	46.9	+5.9	79	9	20	24	45	29	0.33	−0.89	0.21	3.1	5	15	11	5	w.	U. S. Weather Bureau.
Bijou, Cal.		6,230									7	1.78		1.10	19.0	7	17	7	7	n.	Chas. Young.
Fallen Leaf, Cal.		6,400	4	38.6		66	10	12	24	40	4	3.11		2.40	38.0	6	13	11	7	s.	W. W. Price.
Hobart Mills, Cal.		5,900									7	2.90		1.32	31.0	7	15	3	13	s.	S. E. Patterson.
McKinney, Cal.		6,225									7	3.65		1.34	29.0	10	20	4	7	sw.	Fred Jensen.
Tahoe, Cal.		6,230	8	35.4		61	15	6	2	43	8	4.47		1.78	41.0	8	19	3	9	sw.	Mrs. Emma C. Smith.
Tallac, Cal.		6,230									7	3.79		1.92	38.0	6	21	2	8	sw.	Willis D. Sloan.
Carson Basin.																					
Fallon	Churchill	3,965	22	48.2	+6.9	79	†12	20	24	50	22	0.23	−0.25	0.20	0	3	18	7	6	s.	U.S. Experiment Station.
Gardnerville	Douglas	4,830	25	44.6^{h}	+2.6	74^{h}	†9	12^{h}	24	49^{h}	26	0.03	−1.38	0.03	T.	1				w.	Forest Service.
Lahontan	Churchill	4,200	4	49.0		80	†16	22	†1	39	6	0.32		0.24	0	2	15	15	1	w.	U.S. Reclamat'n Service.
Markleeville, Cal.		5,525									7	0.56		0.26	3.0	5	19	6	6	s.	Mrs. Mary Thornburg.
Woodfords, Cal. **		5,634									7	0.37		0.32	4.0	2	25	1	5	sw.	Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	9	47.6	+3.3	80	9	21	†2	48	20	T.	−0.23	T.	T.	0	24	7	0		Southern Pacific Co.
Smith	Lyon	4,800									8	T.		T.	0	0	15	10	6	sw.	C. M. Carter.
Thorne §	Mineral	4,200	3								3										Southern Pacific Co.
Yerington §	Lyon	4,375	7	45.9	+3.5	76	12	12	24	50	7	0.30	−0.15	0.30	0	1	21	3	7	sw.	High School.
Bridgeport, Cal.		6,500	3	28.5		53	†26	−4	7	43	5	1.22		0.48	10.0	4	18	7	6	ne.	A. F. Scott.
Shields Ranch, Cal. **		5,300									7	0.46		0.25	T.	2	15	8	8		Frank W. Chichester.
Colorado Basin.																					
Caliente §	Lincoln	4,407	6	51.0	+11.4	72	†16	26	23	34	6	2.00	+0.59	1.00	T.	4	20	0	11	s.	Salt Lake Route.
Indian Springs §**	Clark	3,136	3								3										Ira McFarland.
Las Vegas	do	2,033	14	60.4	+9.0	89	†9	34	26	49	14	T.	−0.21	T.	T.	0	22	7	2	s.	C. P. Squires.
Logan §	do	1,355	9	60.8	+5.8	92	9	31	25	47	17	0.00	−0.72	0.00	0	0	21	6	4		Experiment Farm.
Pioche	Lincoln	6,100	18	43.2	+3.6	71	9	12	†2	41	18	1.96	+0.48	0.66	7.0	8	20	5	6	s.	M. L. Lee.
Minor Basins.																					
Belmont	Nye	8,540	16	39.0	+5.7	67	10	7	24	40	16	1.55	+0.63	0.95	3.0	3	15	7	9	ne.	Monitor-Belmont M. Co.
Cherry Creek	White Pine	6,450	8	40.8		69	17	10	25	38	8	1.89		0.80	9.0	11	15	8	8	w.	J. H. Leishman.
Columbia**	Esmeralda	5,700	9	46.8		78	12	17	2	42	11	0.70		0.52	1.0	4	18	6	7	se.	A. Booth.
Duck Flat	Washoe	4,725									2	0.69		0.45	8.0	5	16	11	4	sw.	H. J. Muller.
Francis (near)	do	5,350									2	0.34		0.15	3.5	5	21	3	7	sw.	Geo. W. Barnard.
Gerlach	do	3,931	4	46.0		83	12	18	24	49	4	0.09		0.05	0.5	2				w.	Western Pacific Co.
Jean	Clark	2,864	8								9										Salt Lake Route.
Jungo	Humboldt	4,165									3	0.14		0.08	0.5	3	16	3	12	sw.	Western Pacific Co.
Lida §	Esmeralda	6,037	4	45.4	+8.8	77	8	17	24	49	4	0.58	+0.21	0.23	2.0	3	24	5	2	se.	L. F. Detwiler.
McDermitt	Humboldt	4,700	5	41.6	+3.5	70	†11	8	2	37	29	0.16	−1.07	0.08	2.0	2	21	5	5	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	6	43.2	+9.2	71	17	18	†2	40	6	1.13	−0.19	0.62	3.0	3	21	4	6	n.	R. E. Middagh.
Millett	Nye	5,040	8	43.6		74	†12	12	2	52	9	0.43		0.27	2.0	2	15	6	10	s.	Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	4	47.2	+6.5	77	11	20	2	45	4	T.	−0.37	T.	0	0	26	1	4	s.	Arthur L. Stewart.
Pahrump **	Nye	2,608	3								3										F. A. Buol.
Pyramid (near)**	Washoe										2										F. O. Norton.
Quinn Riv. Ranch **	Humboldt	4,850	14								15										F. M. Payne.
Rebel Creek	do	4,300	4	46.7^{d}		75^{d}	12	14^{d}	5	44^{d}	5	0.71		0.24	1.5	8				sw.	Fred Whitaker.
Rhyolite	Nye	3,680	3	55.9		83	9	28	23	37	3	0.28		0.20	1.0	3	22	3	6	s.	Secretary School Board.
Sand Pass **	Washoe	4,198	3	47.3		76	15	17	2	45	3	0.29		0.29	4.0	1	19	3	9	w.	R. R. Mott.
Searchlight	Clark	3,445	3	58.0		82	16	31	23	27	3	0.48		0.42	1.0	3	21	2	8	n.	C. L. Aug. Mahn.
Sharp	Nye	6,200	3	43.6		71	12	10	2	37	3	0.92		0.40	T.	4	21	3	7	w.	F. A. Sears.
Sulphur	Humboldt	4,044	3	47.0^{d}		73^{d}	†11	17^{d}	21	46^{d}	3	0.06		0.04	T.	2				w.	Western Pacific Co.
Tonopah	Nye	6,090	11	45.1		69	9	16	24	32	11	0.57		0.57	T.	1	18	7	6	se.	U. S. Weather Bureau.
Vya	Washoe	5,500									3	0.20		0.08	0.5	5	14	17	0	sw.	W. N. Lord.
For the State				45.2	+5.3	92	9	−2	6	61		0.74	−0.31	1.05	4.7	4	18	6	7	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post office addresses of these stations are as follows: Of Jack Creek, Tuscarora; of Clover Valley, Wells; of Dry Farm, Lamoille; of Marlette Lake, Virginia City; of Woodfords, Cal., Sheridan, Nev.; of Shield's Ranch, Coleville, Cal.; of Indian Springs, Las Vegas; of Columbia, Goldfield; of Duck Flat, Gerlach; of Oasis Ranch, Oasis, Cal.; of Pahrump, Shoshone, via Tecopa, Cal.; of Pyramid (near), Reno; of Quinn River Ranch, Amos; of Sand Pass, Sheepshead.

Reference letters ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing, for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for March, 1916.

Stations	Day of month																															Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia Basin.																																
Gold Creek (near)	T	T	T	T	T	T	.52												.01	.13	.12						.01					0.79
Jack Creek	.60	.20		.60	.30													T.		.80			.20						T			2.70
Owyhee																																
San Jacinto	.24			.08	.06	.05												T		.29	.02	*	.07						.01			0.82
Humboldt Basin.																																
Arthur	.26				.41															.42	.01		.21									1.31
Austin ||||	.30		.02																.05	.56		.45	.10					T				1.48
Battle Mountain ||||	.32																			.20		T.										0.52
Beowawe ||||																				.25	.27											0.52
Carlin																				.20		.10							T			0.30
Clover Valley																																
Dry Farm																																
Elko	1.05			*	.10													.15		.75			.15									2.20
Eureka	.50			.03														.10		.75			.50					T				1.88
Golconda				.16																.01												0.17
Halleck																																
Hylton	.46			.15	.04													.15		.69			.60									2.09
Imlay	T.																			T.			T.									T
Metropolis ||||		.10		T.																.40			.05									0.55
North Fork	.12				.16															.60												0.88
Paradise Valley	.42	T.		.04	.09														.03	.19			.05				T.	.01				0.83
Potts	.24	.16		T.															T.	.02			.48	.16								1.06
Shafter																																
Tecoma	.16																			.03			.16									0.35
Wells	.24				.08															.04			.24					.10				0.70
Winnemucca***	.01			.03	.03															.47		.02	.06				T.					0.62
Truckee Basin.																																
Franktown	.24																			.14			T.									0.38
Glenbrook	.45			.25	.15															.10		.25										1.20
Marlette Lake ||||	1.02	.07		.15	.47															.25												1.96
Reno ***	.21			T.	.02													T.	.02	.07		.01	T.					T.				0.33
Bijou, Cal.	1.10	T.		.09	.25														.07	.14		.02	.11									1.78
Fallen Leaf, Cal.	2.40			.32	.16														.05	.02			.16									3.11
Hobart Mills, Cal.	1.32	.32		.06	.73														.12	.15			.20									2.90
McKinney, Cal.	1.34	.06		.09	.74														.26	.60		.16	.30	.07			T.	.03				3.65
Tahoe, Cal.	1.78	.26		.18	.89													T.	.32	.62		*	.42				T.	T.				4.47
Tallac, Cal.	1.92			.56	.40													T.	.25	.50		T.	.16					T.				3.79
Carson Basin.																																
Fallon	.02			T.																.20	.01		T.									0.23
Gardnerville				T.														.03					T.									0.03
Lahontan ||||	.08																	T.		.24												0.32
Markleeville, Cal.	.26			.06															.05	.11			.08									0.56
Woodfords, Cal.	.32																T	.05														0.37
Walker Basin.																																
Mina																					T.		T.									T
Smith																		T.														T.
Thorne																																
Yerington															.30													T.				0.30
Bridgeport, Cal.	.16			.48	.16															.42			T.									1.22
Shields Ranch, Cal.	T.				.21															.25			T.									0.46
Colorado Basin.																																
Caliente			1.00											T.			T.				.50	.25	.25									2.00
Indian Springs																																
Las Vegas				T.	T.															T.			T.									T.
Logan																																0.00
Pioche	.20	.04	T.	.02	.66															.07	.56	T.	.38	.03								1.96
Minor Basins.																																
Belmont	T.																	T.	T.	.29	.95		.31									1.55
Cherry Creek	.20			.07	.12													.08	.04	.80	.21		.23	.11				.02	.01			1.89
Columbia																				.52	.12		.05						.01			0.70
Duck Flat	.45			.04														T.	T.	T.		.07	.05				.08					0.69
Francis (near)	.15			T	.03													T.	.02	.12		T.	.02	T.				T.				0.34
Gerlach	.04																		.05													0.09
Jean																																
Jungo	.04																			.08			.02									0.14
Lida																				.23	.15		.20									0.58
McDermit	.08			T.																		.08	T.									0.16
McGill				.19	T.															.62			.32									1.13
Millett	.16																			.27			T.									0.43
Oasis Ranch																				T.												T.
Pahrump																																
Pyramid																																
Quinn River Ranch																																
Rebel Creek	*	*	*	*	.26															.24	T.		.15		T.			.06	T.			0.71
Rhyolite						.03														.20			.05									0.28
Sand Pass	.29			T.	T.													T.	T.			T.					T.					0.29
Searchlight				T.																.02	.42		.04									0.48
Sharp	.22				.10															T.	.40				.20							0.92
Sulphur	.04																		T.	T.			.02				T.					0.06
Tonopah***																				.57			T									0.57
Vya	.01		.06		T.														T.	.02		.03					.08	T.				0.20

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight.

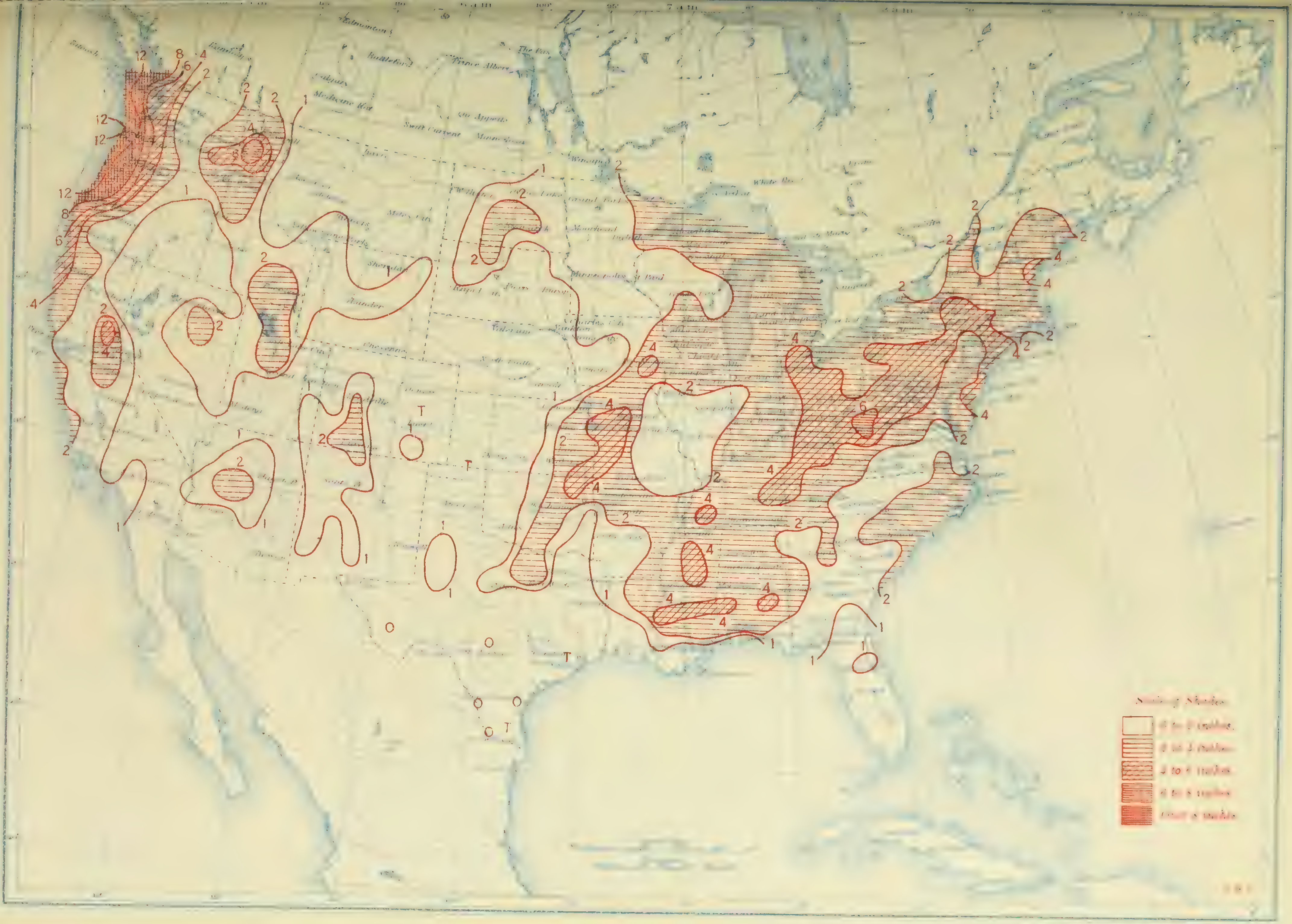
|||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

T. Trace, or less than 0.01 inch.

Daily temperatures for March, 1916.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek (near)	Maximum	34	38	42	46	36	29	39	50	53	52	53	55	50	43	44	49	55	50	46	40	40	46	30	39			46	44	42	46	50	44.4
	Minimum	10	14	18	20	22	-2	6	13	30	21	17	20	18	13	16	18	21	29	27	30	15	28	13	18			20	21	5	15	28	18.1
Owyhee	Maximum																																
	Minimum																																
San Jacinto	Maximum	37	31	46	46	41	37	45	56	61	58	62	64	51	52	62	65	66	63	63	57	50	61	41	36	53	55	64	55	39	44	56	52.2
	Minimum	11	14	23	28	26	21	25	37	34	33	29	31	29	14	23	23	26	51	39	39	30	34	27	22	28	40	32	31	28	14	21	27.8
Humboldt Basin.																																	
Austin	Maximum	31	44	49	41	32	42	51	61	68	61	68	67	52		63	69	62		67	46	56	60	29	42	46	63	63	54	45	45	58	52.9
	Minimum	12	19	26	27	12	20	31	29	36	36	40	32	29		36	39	41		40	25	35	20	11	18	24	35	34	24	18	24	34	27.8
Carlin	Maximum	33	36	39	41	46	48	47	48	59	60	51	63	58	53	59	62	68	67	62	45	46	58	56	50	58	55	60	46	38	40	51	51.7
	Minimum	10	8	18	25	27	26	25	33	35	38	36	37	39	29	32	35	34	34	33	37	33	30	35	20	31	38	34	31	30	22	23	29.6
Clover Valley	Maximum																																
	Minimum																																
Elko	Maximum	31	35	43	45	38	39	45	55	61	59	57	63	61	54	63	66	65	64	62	58	50	61	54	52	52	60	62	56	46	46	56	53.5
	Minimum	22	7	11	23	29	20	22	23	29	26	25	27	30	20	24	25	26	37	36	38	29	31	29	22	29	31	30	37	30	19	20	26.0
Eureka	Maximum	34	37	44	43	44	43	50	63	70	67	67	72	55	58	68	71	70	61	62	56	56	62	53	33	55	62	64	57	43	47	58	55.6
	Minimum	20	14	30	33	26	21	20	27	35	33	33	36	32	27	32	38	31	41	41	34	25	35	21	12	15	41	38	36	27	20	20	28.8
Imlay	Maximum	35	43	55	50	51	42	58	70	74	75	76	72	71	74	73	72	60	62	65	69	68	62	55	46	48	50	65	58	54	59	60	60.4
	Minimum	27	23	22	28	30	27	23	26	30	31	32	28	29	28	30	29	30	30	31	30	28	29	28	21	30	32	31	38	22	24	20	28.0
Paradise Valley	Maximum	34	36	48	48	40	42	52	60	65	64	66	69	60	60	70	71	70	67	64	57	57	63	53	47	54	61	63	58	49	53	63	56.9
	Minimum	23	6	14	28	28	24	20	25	30	30	26	30	30	21	26	26	27	37	35	40	27	25	24	20	30	35	33	28	22	16	19	26.0
Tecoma	Maximum	35	30	40	45	50	43	45	58	65	67	64	70	63	52	60	64	71	76	78	73	68	65	60	40	53	62	68	64	55	50	62	57.9
	Minimum	14	2	1	10	20	12	20	25	34	30	32	39	34	20	22	25	28	34	32	30	31	24	22	0	29	31	30	32	25	20	30	23.8
Wells	Maximum	33	36	44	42	43	41	45	54	57	56	58	63	44	53	64	67	68	65	67	43	51	50	45	35	52	58	63	48	39	43	57	51.1
	Minimum	19	6	22	25	18	17	20	27	24	25	26	31	11	23	24	25	31	30	22	32	30	29	20	24	26	29	33	23	21	19	23	24.0
Winnemucca	Maximum	36	39	50	51	44	46	54	68	74	69	75	74	57	65	73	74	73	68	66	53	57	61	36	45	57	64	66	58	51	55	65	58.8
	Minimum	24	20	26	30	28	30	25	28	33	35	36	33	26	23	27	29	28	43	39	39	31	33	26	18	32	36	32	35	26	20	22	29.5
Truckee Basin.																																	
Reno	Maximum	37	45	59	51	40	49	65	75	79	71	76	73	64	71	73	76	70	67	59	54	62	57	38	50	60	66	62	62	60	53	69	61.1
	Minimum	27	26	37	33	29	26	25	30	35	36	36	38	34	29	32	39	38	47	46	39	27	31	28	20	30	43	34	27	30	27	25	32.7
Fallen Leaf, Cal.	Maximum	35	40	48	35	31	52	60	65	65	66	58	60	54	55	63	65	59	52	44	40	50	35	32	39	51	57	55	53	45	41	52	50.2
	Minimum	15	20	30	27	24	16	21	25	25	32	32	32	33	25	28	35	33	33	37	30	25	28	18	12	26	37	30	30	25	26	24	26.9
Tahoe, Cal.	Maximum	33	37	44	40	35	38	42	47	51	58	55	62	53	52	64	59	58	52	48	47	53	48	38	41	51	51	54	51	51	48	53	48.8
	Minimum	21	6	20	24	20	7	10	15	19	22	24	25	24	20	21	26	27	32	35	32	29	25	16	15	20	24	21	38	23	24	19	22.1
Carson Basin.																																	
Fallon	Maximum	43	53	64	55	52	52	61	71	75	71	78	79	72	68	78	79	76	71	69	60	63	68	53	50	67	70	70	63	59	55	64	64.8
	Minimum	33	25	26	29	34	26	21	25	32	36	33	37	38	24	28	35	35	46	42	46	28	28	31	20	27	39	36	43	30	26	23	31.7
Gardnerville	Maximum	42	50	62	54		53	60	71	74	72	73		72	69	74		71	66				63	55	50			70	63	63	58	65	63.0
	Minimum	28	22	36	39		20	19	24	29	29	30		29	24	25		32	41				22	25	12			24	29	25	21	18	26.2
Lahontan §§	Maximum	42	47	63	55	46	53	58	68	74	72	76	75	59	64	72	80	80	76	73	61	64	65	42	52	71	71	75	66	58	54	65	63.8
	Minimum	22	25	30	32	25	24	31	37	39	38	42	41	30	35	40	41	51	45	44	27	36	29	22	31	42	40	40	33	25	29	31	34.1
Walker Basin.																																	
Mina	Maximum	45	45	58	55	50	55	62	73	80	78	75	73	70	70	65	64	68	70	68	69	71	66	65	47	68	72	75	69	61	64	66	65.0
	Minimum	26	21	28	30	30	22	21	30	32	37	34	33	30	31	30	28	32	36	33	31	34	26	25	25	30	35	34	40	31	33	26	30.1
Yerington	Maximum	42	51	62	53	46	53	59	70	74	71	75	76	60	67	75	75	74	72	68	60	64	65	46	50	65	72	70	61	59	52	64	62.9
	Minimum	30	19	24	27	32	22	21	22	30	35	32	31	30	24	25	34	31	32	41	44	25	32	28	12	40	39	35	27	30	20	22	28.9
Bridgeport, Cal.	Maximum	30	40	48	36	35	40	33	34	36	39	37	38	45	36	38	39	42	46	51	45	41	48	37	40	45	53	52	49	48	44	53	41.9
	Minimum	21	9	24	27	23	-3	-4	1	2	7	10	10	12	4	8	13	11	28	34	32	16	18	16	10	15	26	21	25	21	17	14	15.1
Colorado Basin.																																	
Las Vegas	Maximum	60	64	68	71	69	69	75	84	89	86	87	89	89	78	83	87	84	85	85	84	79	78	67	62	71	80	83	84	77	67	77	77.8
	Minimum	38	36	38	48	48	38	42	42	50	55	47	43	42	38	35	38	44	45	45	48	50	40	44	39	35	34	41	48	49	47	45	43.0
Logan	Maximum	65	64	67	71	73	67	74	80	92	88	90	87	90	91	85	87	85	87	86	73	71	77	69	63	70	80	84	83	76	72	76	78.2
	Minimum	40	36	38	43	46	34	35	42	45	48	49	43	45	45	44	46	45	44	50	53	48	47	48	34	31	39	41	45	45	47	46	43.3
Pioche	Maximum	40	40	45	42	40	40	50	63	71	66	69	69	69	57	70	68	68	65	55	50	55	55	39	40	57	62	67	62	68	46	56	56.3
	Minimum	25	12	12	33	35	23	27	31	39	33	28	29	31	28	33	36	40	40	40	41	32	33	33	28	20	31	32	32	32	19	28	30.2
Minor Basins.																																	
Cherry Creek	Maximum	38	34	49	48	43	39	45	60	64	62	66	67	55	55	65	67	69	59	65	55	49	58	52	30	48	61	63	55	45	45	55	53.7
	Minimum	22	13	29	33	27	22	20	27	36	30	29	32	40	20	30	32	35	40	33	35	32	31	24	15	10	31	33	36	25	25	22	28.0
Columbia	Maximum	49	49	52	53	52	52	58	70	75	73	75	78	66	67	70	73	70	66	66	59	60	63	54	40	62	66	69	61	56	53	64	62.0
	Minimum	25	17	30	31	35	20	23	28	38	37	35	36	39	25	34	34	39	45	44	39	29	35	26	21	23	32	36	39	30	24	29	31.5
Gerlach	Maximum	38	43	54	53	49	55	58	62	71	78	74	83	71	65	72	74	71	78	63	58	61	60	50	48	49	68	65	66	63	58	56	61.7
	Minimum	26	24	30	31	27	25	28	26	26	35	33	34	36	26	26	27	33	45	45	41	27	39	29	18	23	31	28	30	29	30	34	30.4
Lida	Maximum	46	45	49	52	50	49	54	77	76	72	71	74	65	65	66	69	68	67	69	66	59	60	51	43	58	63	65	63	63	51	64	61.0
	Minimum	26	18	30	30	32	19	21	28	40	45	38	39	42	28	27	27	33	31	33	37	29	29	20	17	25	26	24	38	38	25	33	29.9
McDermit	Maximum	32	35	48	46	42	44	50	59	69	68	70	68	55	61	68	70	70	64	62	57	56	40	42	55	54	59	62	51	44	52	56	55.1
	Minimum	21	8	21	26	27	22	24	29	35	37	33	36	25	26	31	33	39	40	39	24	32	25	13	32	30	36	36	24	23	18	22	28.0
McGill	Maximum	34	36	45	44	45	44	53	65	68	67	70	69	65	61	68	69	71	65	65	58	50	58	54	34	52	62	63	58	46	47	58	56.3
	Minimum	22	18	23	31	31	20	23	27	35	33	30	35	36	23	37	40	42	41	39	35	31	35	25	18	18	33	40	35	26	26	25	30.1
Millett	Maximum	37	41	52	57	46	50	54	69	69	66	73	74	60	68	71	73	74	65	65	63	61	64	57	42	61	69	68	60	53	50	62	60.5
	Minimum	15	12	24	36	34	20	21	29	29	30	24	22	30	19	21	24	28	42	41	42	27	28	24	20	19	35	27	37	25	17	22	26.6
Oasis Ranch	Maximum	51	50	51	48	56	52	57	64	72	75	77	75	70	66	70	75	73	60	61	55	62	67	56	50	65	69	70	65	59	75	69	63.4
	Minimum	28	20	28	31	35	23	25	25	31	35	33	31	31	22	32	30	32	42	40	48	30	34	32	24	24	34	32	31	30	35	36	31.1
Rebel Creek	Maximum					51	42	53	63	72	71	72	75	72	63	72	72	75	74	72	54	56	56	48	48	54	60	64	55	50	51	64	61.4
	Minimum					14	25	24	34	37	36	35	37	28	26	31	36	40	38	37	37	29	38	28	18	33	46	45	31	28	27	26	32.0
Rhyolite	Maximum	57	54	57	56	59	60	66	78	83	81	80	80	75	71	75	78	77	74	73	69	68	68	65	50	66	71	78	71	68	68	72	69.3
	Minimum	31	31	36	39	39	35	37	41	50	57	53	49	51	40	42	46	50	50	49	50	47	48	28	29	34	40	44	52	42	37	42	42.5
Sand Pass	Maximum	37	45	57	48	45	49	57	68	72	70	74	75	62	64	76	75	71	65	62	64	65	57	44	52	62	71	64	62	60	58	68	61.3
	Minimum	27	17	25	32	30	29	24	28	36	35	52	38	39	28	31	36	36	47	48	45	28	42	30	20	33	31	35	42	31	30	28	33.3
Searchlight	Maximum	48	52	63	62	64	60	62	72	79	79	78	80	81	75	78	82	77	76	78	70	66	60	55	52	58	71	75	75	66	58	61	68.2
	Minimum	34	36	38	45	50	38	42	49	53	59	61	55	58	48	52	55	56	54	52	55	45	53	31	32	36	48	58	52	49	42	44	47.7
Sharp	Maximum	38	44	45	45	48	48	50	65	67	64	66	71	60	60	68	68	70	62	68	56	56	60	56	36	56	65	65	58	55	48	59	57.3
	Minimum	22	10	24	24	32	15	22	28	30	34	34	34	34	40	32	32	35	39	40	42	36	37	30	20	20	30	32	33	30	24	30	29.8
Sulphur	Maximum			54	49			68	68	72	71	73	73	73	71	73	73	71	68	64	56	61	59	48	47	60	59	65	59	53	56	65	63.3
	Minimum			20	23			29	29	32	30	33	32	32	25	27	32	33	38	43	44	31	37	29	17	33	32	39	37	25	19	24	30.6
Tonopah	Maximum	42	44	47	49	46	45	52	64	69	68	68	68	57	62	64	67	66	60	61	52	54	57	36	35	56	61	62	54	50	47	59	55.5
	Minimum	23	21	30	32	26	21	30	40	49	44	49	50	41	39	43	45	45	44	40	37	31	36	20	16	28	37	41	37	30	23	27	34.7

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Edmonton
Battleford
Prince Albert
The Pas
Calgary
Medicine Hat
Qu'Appelle
Swift Current
Moose Jaw
Winnipeg
White River
Cheyenne
Sheridan
Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.

Snowfall in the elevated regions of Nevada Section, March, 1916.

The snowfall was considerably above the average in the Truckee, and over the greater part of the Humboldt watershed, but very light in the Carson and Walker watersheds between the 5,000 and 7,000-foot levels. The bulk of the month's snow fell during the first five days. At many places there was an unusually heavy fall on the 1st. The average depth of the snow cover in the Lake Tahoe basin at the end of the month was about 40 inches, or twice the depth recorded on March 31st last year. The mean temperature was above the normal, and there was an unusually large number of bright sunny days.

In the Truckee watershed the average fall was 29 inches; this is one inch more than in February, and 126 per cent of the normal. On the eastern side of Lake Tahoe there was an average of 20 inches, or 136 per cent of the normal, and on the western side, 34 inches, or 117 per cent of the normal. At the close of the month the snow cover ranged from 4 inches at Glenbrook to 77 inches at Marlette Lake.

In the Carson watershed, two stations reporting, the average fall was 3.5 inches, which is only 31 per cent of the normal. Markleeville (elevation, 5,525 feet) reported a total of 3 inches, and Woodfords (elevation, 5,634 feet) 4 inches. At the first named station the ground has been bare since March 10th, and at the latter since March 4th.

Special snow surveys made in this watershed March 24-26, 1916, at an elevation of about 8,000 feet, by the Weather Bureau in cooperation with the meteorologist of the University of Nevada, gave the following results:

At Williams, near Red Lake, Cal., mean depth of snow, 88.4 inches; mean water equivalent, 38.8 inches; mean density, 43.8 per cent.

At Burnside Lake, Cal., mean depth, 94.0 inches; mean water equivalent, 41.7 inches; mean density, 44.4 per cent.

At Blue Lakes (Tamarack) Cal., mean depth, 139.4 inches; mean water equivalent, 57.1 inches; mean density, 41.0 per cent.

Forty measurements fifty feet apart were taken at each place with a Church snow sampler and spring balance.

In the Walker watershed the only station that reported more than a trace of snow was Bridgeport, where the fall was 10 inches. The average for the watershed was 3.3 inches, which is only 57 per cent of the normal. At the close of the month the ground was bare at Shields Ranch and Smith, but at Bridgeport the snow cover was 3 inches deep.

In the Humboldt watershed ten stations gave an average snowfall of 8.9 inches; this is 124 per cent of the normal. The fall ranged from 2 inches at Metropolis and Millett to 19 inches at Jack Creek. By the end of the month the snow had disappeared at all stations except Arthur and North Fork, at which places the snow cover was from 6 to 8 inches in depth.

Lake Tahoe on the last day of the month was at a stage of 6228.10 feet; this is only .01 foot higher than at the end of February. Last year at the close of March the stage was 6227.60 feet. The seasonal percentage of snowfall has dropped somewhat, as compared with February, and the indications point to a maximum possible level of 6230.67 feet for this summer.

SNOWFALL.
(Inches.)

Stations.	Counties.	Total snowfall.	Amount on ground on 15th of month.	Amount on ground on last day of month.	Depth on last day of month compared with normal.
Truckee Basin.					
Bijou, Cal.		19.0	35	19	+ 2
Fallen Leaf, Cal.†		38.0	93	69	+30
Glenbrook	Douglas	16.0	20	4	− 7
Hobart Mills, Cal.		31.0	32	11	+ 4
McKinney, Cal.		29.0	65	51	+ 7
Marlette Lake	Douglas	25.0	84	77	+ 3
Tahoe, Cal.		41.0	74	58	+20
Tallac, Cal.		38.0	47	30	− 7
Truckee, Cal.		24.0	15	0	−20
Carson Basin.					
Markleeville, Cal.		3.0	0	0	− 2
Woodfords, Cal.		4.0	0	0	0
Walker Basin.					
Bridgeport, Cal.		10.0	19	3	+ 1
Shield's Ranch, Cal.		T.	0	0	0
Smith	Lyon	T.	0	0	0
Humboldt Basin.					
Arthur	Elko	17.8	12	6	+ 4
Beowawe	Lander	0	0	0	0
Dry Farm	Elko				
Eureka	Eureka	18.5	0	0	− 1
Halleck	Elko				
Hylton	do	12.0	6	0	0
Jack Creek	do	19.0	13	0	
Metropolis	do	2.0	0	0	0
Millett	Nye	2.0	0	0	0
North Fork	Elko	8.0	16	8	+ 7
Wells	Elko	7.5	0	0	0
Winnemucca	Humboldt	2.2	0	0	0

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† Formerly Cathedral Park, Cal.

NE Stack

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

NEVADA SECTION

APRIL, 1916

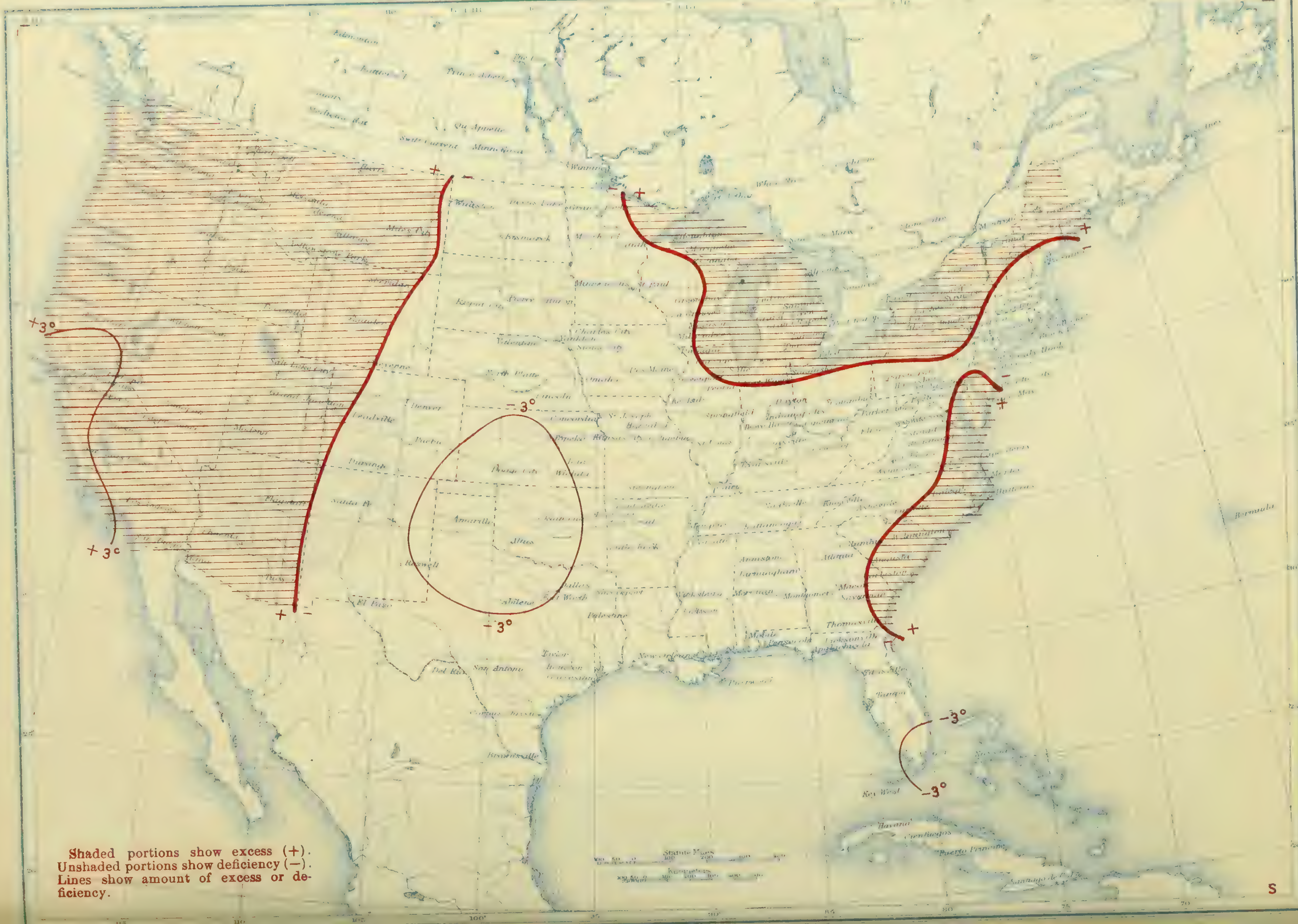
BY

HENRY F. ALCIATORE

METEOROLOGIST.

RENO, NEVADA
WEATHER BUREAU OFFICE
MAY, 16, 1916.

Departure of the Mean Temperature from the Normal, April, 1916.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALCIATORE, Meteorologist.

Vol. XXXI. Reno, Nevada, April, 1916. No. 4.

GENERAL SUMMARY.

The salient features of the month's weather were: high mean temperature, abundant sunshine, and small rainfall. The mean temperature was the same as that of April, 1915, and 2.1° above the normal. At most of the stations reporting, the lowest temperatures occurred on the 12th and 13th, and the highest during an unusually warm period that began on the 25th and ended on the 28th. The extremes for the State—namely, 12° and 99°, were within the limits of previous years. About 87 per cent of the days of the month were either cloudless or only partly overcast.

Scattered showers occurred on several days in the first and second decades, but the last ten days were practically rainless. Of the 51 rainfall reports considered, only two showed a fall exceeding one inch, and thirteen others only a trace or none at all; the fall over the rest of the State ranged from .01 to .97 inch. The average, 0.31 inch, was 1.33 inches less than that of the same month last year, and only 42 per cent of the normal.

The weather was favorable for spring planting. Alfalfa and grain crops have made fairly good progress; the first crop of alfalfa has been cut in the southern district. Cattle and sheep are in good condition, and shearing is practically completed. The outlook for an ample supply of water for irrigation is good.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 41 stations, was 50.4°. The mean for the 27 stations having ten or more years record was 2.1° above the normal. The highest recorded was 99°, at Logan, on the 27th; the lowest was 12°, at Wells, on the 12th and 19th. The greatest daily range was 53°, at Beowawe, on the 12th. The highest monthly mean was 66.2°, at Logan; the lowest was 40.0°, at Gold Creek.

PRECIPITATION.

The average for 51 stations reporting was 0.31 inch. For the 30 stations having ten or more years record, the mean was 0.42 inch below the normal. The average amount at 3 stations in the Columbia Basin was 0.40 inch; at 17 stations in the Humboldt Basin, 0.36 inch; at 9 stations in the Truckee Basin, 0.19 inch; at 4 stations in the Carson Basin, 0.17 inch; at 4 stations in the Walker Basin, 0.08 inch; at 3 stations in the Colorado Basin, 0.17 inch; at 20 stations in the minor basins, 0.36 inch. The greatest monthly fall was 2.48 inches, at Eureka; there was none at 10 stations. The average number of days with precipitation was 2.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric Pressure (sea level).			Mean relative humidity.		Wind.			
							Max. velocity.		
	Mean.	Highest.	Lowest.	[illegible]	[illegible]	Average hourly velocity.	Miles per hour.	[illegible]	[illegible]
Reno	30.01	30.46	29.70	62	[illegible]	8.1	[illegible]	w	[illegible]
Winnemucca	30.01	30.50	29.63	68	24	[illegible]	34	sw	[illegible]
Tonopah	29.94	30.37	29.61	49	27	9.7	31	nw	[illegible]

SUNSHINE AND CLOUDINESS.

At Reno 91 per cent of the possible sunshine was recorded; at Winnemucca, 87 per cent; at Tonopah, 81 per cent. For the State, the average number of clear days was 18; partly cloudy, 8; cloudy, 4.

MISCELLANEOUS PHENOMENA.

(Dates of.)

Brisk Winds.—1, 2, 4, 5, 6, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 26, 27, 28, 29, 30.

Solar Halos.—7, 8, 15.

Lunar Halos.—8, 15.

Sleet.—2, 4, 11, 12, 18.

Fog.—2, 11.

Thunderstorms.—1, 11.

Hail.—Reno, 1; Columbia, 4; McGill, 6; Tonopah, 11; Rebel Creek, 17, 18.

COMPARATIVE DATA FOR APRIL.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	53.5	100	16	0.45	......	2	16	9	5	sw.
1890	49.0	96	8	0.72	1.4	3	16	9	5	s.
1891	48.3	88	5	1.51	5.8	5	11	11	8	s.
1892	44.9	84	6	0.62	2.1	4	8	13	9	w.
1893	41.8	78	0	1.14	7.0	6	10	8	12	sw.
1894	47.6	90	10	0.59	3.2	4	11	10	9	sw.
1895	48.2	95	1	0.42	1.4	2	15	8	7	w.
1896	41.7	89	−9	1.00	5.6	5	7	10	13	sw.
1897	47.3	91	9	0.37	1.5	3	17	6	7	w.
1898	51.1	103	12	0.71	0.8	2	17	7	6	w.
1899	47.9	87	12	0.37	2.7	2	15	8	7	w.
1900	43.8	82	10	1.98	12.1	7	6	7	17	w.
1901	45.3	98	−2	0.59	1.9	3	15	6	9	sw.
1902	45.8	84	14	0.75	2.4	3	11	9	10	sw.
1903	45.2	101	1	0.47	2.3	2	17	6	7	sw.
1904	45.4	97	10	0.66	3.7	3	15	7	8	sw.
1905	47.0	85	10	0.84	2.9	4	14	7	9	sw.
1906	47.6	90	9	1.30	4.0	5	13	7	10	w.
1907	50.1	94	12	0.58	0.2	3	14	9	7	w.
1908	50.1	91	4	0.33	0.3	2	18	7	5	w.
1909	47.8	93	10	0.18	4.0	1	18	7	5	w.
1910	51.8	95	8	0.24	0.1	2	18	8	4	sw.
1911	45.1	92	5	0.55	1.1	3	16	8	6	w.
1912	43.4	84	7	1.27	4.3	6	10	10	10	w.
1913	47.2	93	5	0.64	1.1	3	14	8	8	w.
1914	49.2	102	5	1.23	4.4	6	9	10	11	w.
1915	50.4	92	15	1.64	4.7	7	11	9	10	w.
1916	50.4	99	12	0.31	1.1	2	18	8	4	w.
Entire period	47.4	103	−9	0.77	3.0	4	14	8	8	w.

LATE REPORTS.

February, 1916.—Owyhee, total precipitation, 2.09 inches; total snowfall, 26.0 inches; number of days with precipitation, 8.

March, 1916.—Clover Valley, mean temperature, 39.4°; highest, 69°, on the 19th; lowest, 16°, on the 3d and 4th; total precipitation, 1.08 inches; total snowfall, 4.5 inches; number of days with precipitation, 6; clear, 10; partly cloudy, 10; cloudy, 11. Glenbrook, mean temperature, 39.8°; highest, 60°, on the 16th; lowest, 20°, on the 2d; number of clear days, 18; partly cloudy, 8; cloudy, 5. Quinn River Ranch, mean temperature, 43.1°; highest, 80°, on the 17th; lowest, 15°, on the 2d; (4 days missing from the temperature record); total precipitation, 0.55 inch; total snowfall, trace; number of days with precipitation, 5.

CORRECTIONS.

February, 1916, report.—Page 11, pressure, humidity, and wind data table. Winnemucca, highest barometer should be 30.70.

Climatological data for April, 1916.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days.				Prevailing direction of the wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	3	40.0	......	79	25	13	5	46	3	0.33	......	0.19	T.	4	13	9	8	nw.	U. S. Forest Service.
Jack Creek**	do	6,300									3	0.60	......	0.30	0	3	13	7	0	w.	C. E. Butler.
Owyhee	do	5,400	5								5										Indian Service.
San Jacinto	do	5,200	11	43.8	-0.5	76	†25	14	7	46	11	0.26	-0.33	0.25	T.	2	12	9	9	n.	Utah Construction Co.
Humboldt Basin.																					
Arthur	Elko	6,500									6	0.13	-1.61	0.12	0.2	3	22	6	2	......	Isaac Woodhouse.
Austin	Lander	6,594	27	45.9	+2.1	75	26	21	†11	39	27	0.72	-0.75	0.48	2.0	4				......	Forest Service.
Battle Mountain	do	4,513	45	57.3	+7.7	90	†25	22	19	52	47	T.	-0.81	T.	T.	0	19	8	3	......	Southern Pacific Co.
Beowawe	Eureka	4,695	45	50.6	+1.7	82	26	18	7	53	47	0.27	-0.26	0.27	0	1	26	3	1	......	Do.
Carlin	Elko	4,896	45								45	0.01	-0.54	0.01	0	1	15	13	2	w.	Western Pacific Co.
Clover Valley**	do	6,000	15								23										I. F. Wiseman.
Dry Farm**§	do	5,600	4								7										Walfrid Sohlman.
Elko	do	5,063	45	45.4	+0.7	73	†25	19	†7	45	46	T.	-0.75	T.	0	0	15	10	5	w.	Western Pacific Co.
Eureka	Eureka	6,837	18	47.3	+2.1	78	†25	18	13	42	20	2.48	+1.31	0.80	9.0	5	15	7	8	n.	Clay Simms.
Golconda	Humboldt	4,392	37	50.6	+2.6	80	24	24	11	47	39	0.00	-0.60	0.00	0	0	15	10	5	w.	Southern Pacific Co.
Hylton	Elko	7,081									6	0.97	......	0.62	0	3	23	6	1	......	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	3	47.4	-1.7	76	26	23	8	51	3	0.00	-0.37	0.00	0	0	21	9	0	nw.	Southern Pacific Co.
Metropolis §	Elko	5,661									7	0.28	-0.31	0.23	0	2	18	6	6	w.	L. F. Hatch.
North Fork	do	6,500									7	0.00	......	0.00	0	0	17	10	3	w.	Chas. Pratt.
Paradise Valley	Humboldt	4,500	3	46.6	......	79	26	19	13	49	7	0.12	......	0.11	T.	2	13	9	8	sw.	R. M. Taylor.
Potts	Nye	6,002	23	43.8	+0.3	75	†26	18	30	47	25	0.95	+0.24	0.60	19.0	3	5	10	15	n.	Miss Maud Potts.
Tecoma	Elko	4,812	38	48.4	+1.6	82	27	15	20	47	40	0.00	-0.59	0.00	0	0	8	21	1	sw.	Southern Pacific Co.
Wells	do	5,631	44	43.1	-1.9	77	26	12	†12	49	47	0.01	-0.58	0.01	0.1	1	22	5	3	......	Do.
Winnemucca	Humboldt	4,344	39	49.0	+1.9	80	26	24	19	48	47	0.19	-0.69	0.15	0	3	17	4	9	sw.	U. S. Weather Bureau.
Truckee Basin.																					
Franktown §	Washoe	5,054	1	47.6	+0.8	75	10	19	13	41	1	0.36	-1.03	0.23	T.	2	21	3	6	w.	Agent V. & T. Ry.
Glenbrook	Douglas	6,240	7								7										C. C. Henningsen.
Marlette Lake**	do	7,900									3	0.12	......	0.12	1.0	1	24	1	5	e.	V. & G. H. Water Co.
Reno	Washoe	4,532	29	50.1	+2.8	75	25	28	12	39	29	0.11	-0.50	0.10	T.	2	22	6	2	w.	U. S. Weather Bureau.
Bijou, Cal.		6,230									7	0.20	......	0.15	0	2	23	5	2	w.	Chas. Young.
Fallen Leaf, Cal.		6,400	4	44.2	......	64	†9	26	19	32	4	0.00	......	0.00	0	0	22	8	0	s.	W. W. Price.
Hobart Mills, Cal.		5,900									7	0.04	......	0.04	T.	1	23	4	3	n.	S. E. Patterson.
McKinney, Cal.		6,225									7	0.22	......	0.06	T.	5	23	3	4	sw.	Fred Jensen.
Tahoe, Cal.		6,230	8	40.0	......	60	†10	21	†12	33	8	0.07	......	0.03	T.	3	23	6	1	w.	Mrs. Emma C. Smith.
Tallac, Cal.		6,230									7	0.63	......	0.30	0	4	21	9	0	w.	Willis D. Sloan.
Carson Basin.																					
Fallon	Churchill	3,965	22	51.6	+1.6	81	26	25	13	46	22	0.16	-0.19	0.16	0	1	21	8	1	w.	U.S. Experiment Station.
Gardnerville	Douglas	4,830	25	48.1[g]	-0.5	72[g]	†11	22[g]	13	45[g]	26	0.00	-0.61	0.00	0	0				w.	Forest Service.
Lahontan	Churchill	4,200	4	54.1	......	82	24	30	†7	41	6	0.00	......	0.00	0	0	17	12	1	w.	U.S. Reclamat'n Service.
Markleeville, Cal.		5,525									7	0.52	......	0.31	1.0	3	22	6	2	s.	Mrs. Mary Thornburg.
Woodfords, Cal.**		5,634									7										Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	9	53.4	+2.0	81	10	25	7	45	20	0.10	-0.22	0.10	0	1	27	3	0	......	Southern Pacific Co.
Smith	Lyon	4,800									8										C. M. Carter.
Thorne §	Mineral	4,200	3								3										Southern Pacific Co.
Yerington §	Lyon	4,375	7	49.8	+0.4	78	†23	23	13	51	7	0.00	-0.22	0.00	0	0	29	1	0	sw.	High School.
Bridgeport, Cal.		6,500	3	41.8	......	68	9	16	30	45	5	T.	......	T.	T.	0	22	4	4	nw.	Geo. Delury, jr.
Shields Ranch, Cal.**		5,300									7	0.22	......	0.15	T.	2	20	6	4	......	Frank W. Chichester.
Colorado Basin.																					
Caliente §	Lincoln	4,407	6								6										Salt Lake Route.
Indian Springs §**	Clark	3,136	3								3										Ira McFarland.
Las Vegas	do	2,033	14	65.0	+5.2	96	27	37	8	49	14	0.00	-0.32	0.00	0	0	18	8	4	se.	C. P. Squires.
Logan §	do	1,355	9	66.2	+2.3	99	27	40	†1	49	17	0.10	-0.06	0.10	0	1	19	9	2	......	Experiment Farm.
Pioche	Lincoln	6,100	18	49.9	+2.2	80	27	28	†5	35	18	0.42	-0.57	0.23	0	4	19	10	1	......	M. L. Lee.
Minor Basins.																					
Belmont	Nye	8,540	16	44.6	+3.8	70	†25	18	†12	37	16	0.61	-0.07	0.55	2.0	2	9	17	4	ne.	Monitor-Belmont M. Co.
Cherry Creek	White Pine	6,450	8	47.0	......	83	28	21	7	41	8	1.07	......	0.58	7.0	6	11	14	5	sw.	J. H. Leishman.
Columbia**	Esmeralda	5,700	9	51.6	......	80	†26	24	7	41	11	0.58	......	0.30	3.0	3	16	12	2	nw.	A. Booth.
Duck Flat	Washoe	4,725									2	0.32	......	0.23	0	2	26	1	3	w.	H. J. Muller.
Francis (near)	do	5,350									2										Geo. W. Barnard.
Gerlach	do	3,931	4	53.8[g]	......	83[g]	24	25[g]	13	45[g]	4	0.10	......	0.10	0	1				nw.	Western Pacific Co.
Jungo	Humboldt	4,165									3	0.04	......	0.04	0	1	20	4	6	sw.	Do.
Lida §	Esmeralda	6,037	4	50.0	+6.3	76	†26	25	12	37	4	0.38	-0.09	0.38	4.5	1	25	4	1	se.	L. F. Detwiler.
McDermitt	Humboldt	4,700	5	47.0	+1.6	75	†11	17	18	44	29	0.68	-0.84	0.27	0	3	17	9	4	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	6	48.4	+5.4	76	†24	23	7	41	6	0.19	-0.95	0.10	T.	3	14	12	4	n.	R. E. Middagh.
Millett	Nye	5,040	8	48.6	......	78	26	19	7	49	9	0.30	......	0.18	0	2	17	6	7	......	Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	4	53.4	+4.4	87	25	26	6	52	4	0.04	-0.43	0.04	T.	1	20	9	1	n.	Arthur L. Stewart.
Pahrump**	Nye	2,608	3								3										F. A. Buol.
Quinn Riv. Ranch**	Humboldt	4,850	14	49.2	+3.1	78	25	21	19	50	15	0.45	+0.09	0.22	0	3	19	2	9	n.	F. M. Payne.
Rebel Creek	do	4,300	4	49.7	......	78	26	23	19	40	5	0.68	......	0.31	T.	5	5	20	5	sw.	Fred Whitaker.
Rhyolite	Nye	3,680	3	62.0	......	86	28	37	12	35	3	0.00	......	0.00	0	0	19	6	5	s.	Secretary School Board.
Sand Pass**	Washoe	4,198	3	52.4	......	80	24	28	†12	46	3	0.40	......	0.30	0	3	23	3	4	sw.	R. R. Mott.
Searchlight	Clark	3,445	3	62.8	......	87	†27	39	12	31	3	0.00	......	0.00	0	0	18	4	8	s.	C. L. Aug. Mahn.
Sharp	Nye	6,200	3	49.2	......	79	27	21	13	43	3	0.20	......	0.20	1.0	0	17	9	4	sw.	F. A. Sears.
Sulphur	Humboldt	4,044	3	50.6	......	79	26	23	12	43	3	T.	......	T.	0	0	21	9	0	sw.	Western Pacific Co.
Tonopah	Nye	6,090	11	49.9	......	73	27	26	12	27	11	0.66	......	0.64	5.0	2	13	14	3	nw.	U. S. Weather Bureau.
Vya	Washoe	5,500									3	0.41	......	0.26	0.5	3	13	14	3	nw.	W. N. Lord.
For the State				50.4	+2.1	99	27	12	†12	53		0.31	-0.42	0.80	1.1	2	18	8	4	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

**Post-office addresses of these stations are as follows: Of Jack Creek, Tuscarora; of Clover Valley, Wells; of Dry Farm, Lamoille; of Marlette Lake, Virginia City; of Woodfords, Cal., Sheridan, Nev.; of Shield's Ranch, Coleville, Cal.; of Indian Springs, Las Vegas; of Columbia, Goldfield; of Duck Flat, Gerlach; of Oasis Ranch, Oasis, Cal.; of Pahrump, Shoshone, via Tecopa, Cal.; of Quinn River Ranch, Amos; of Sand Pass, Sheepshead.

Reference letters, a, b, c, appearing in the table indicate number of days missing, for example, b represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for April, 1916.

Stations	Day of month																														Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia Basin.																																
Gold Creek (near)					.12							.19					.01											.01				0.33
Jack Creek		T.		T.	T.						.20			T.			.10		.30													0.60
Owyhee																																
San Jacinto	T.	T.									.25							T.							.01							0.26
Humboldt Basin.																																
Arthur	T.										*	.12						T.	.01													0.13
Austin	.09	.12		T.						.03	.48																					0.72
Battle Mountain																		T.														T.
Beowawe											.27																					0.27
Carlin											.01																					0.01
Clover Valley																																
Dry Farm																																
Elko											T.																					T.
Eureka	.25	.80									.75						.63	.05														2.48
Golconda																																0.00
Hylton	.22										.62								.13													0.97
Imlay																																0.00
Metropolis ‖‖											.23				.05																	0.28
North Fork																																0.00
Paradise Valley	.01										.11						T.	T.														0.12
Potts		.60	.05								.30	T.																				0.95
Tecoma																																0.00
Wells											T.						.01	T.														0.01
Winnemucca***		T.									.15				T.		.02	.02														0.19
Truckee Basin.																																
Franktown		.23										.13																				0.36
Glenbrook																																
Marlette Lake ‖‖		.12																														0.12
Reno***	.10										.01						T.															0.11
Bijou, Cal		.15								T.	.05						T.	T.														0.20
Fallen Leaf, Cal																																0.00
Hobart Mills, Cal											.04																					0.04
McKinney, Cal.	T.	.04									.06						.04	.03	.05													0.22
Tahoe, Cal											.03						.03	.01														0.07
Tallac, Cal		.30									.10	.03					.20	T.														0.63
Carson Basin.																																
Fallon ‖	.16																															0.16
Gardnerville																																0.00
Lahontan																																0.00
Markleeville, Cal		.31									.16	.05																				0.52
Woodfords, Cal																																
Walker Basin.																																
Mina		.10																														0.10
Smith																																
Thorne																																
Yerington																																0.00
Bridgeport, Cal		T.										T.																				T.
Shields Ranch, Cal		.15									.07	T.																				0.22
Colorado Basin.																																
Caliente																																
Indian Springs																																
Las Vegas																																0.00
Logan				.10																												0.10
Pioche			.02	.23	.02							.15																				0.42
Minor Basins.																																
Belmont ‖‖			.06	T.	T.						T.	.55																				0.61
Cherry Creek		.13		.02		T.					.17	.58						.11	.06													1.07
Columbia		T.		.03							.30	.25																				0.58
Duck Flat	.23									.09																						0.32
Francis (near)																																
Gerlach	.10									T.							T.															0.10
Jungo											.04																					0.04
Lida											.38																					0.38
McDermitt	.18										.27			T.			.23															0.68
McGill			.10			T.				.02								.07	T.													0.19
Millett		.18									.12																					0.30
Oasis Ranch		T.									.04	T.																				0.04
Pahrump																																
Quinn River Ranch	.22										.19						.04															0.45
Rebel Creek	.05	.01									.31						.30	.01														0.68
Rhyolite																																0.00
Sand Pass	.04										.30						.06															0.40
Searchlight																																0.00
Sharp				T.								.20																				0.20
Sulphur	T.									T.							T.															T.
Tonopah***		.02		T.							.64																					0.66
Vya ‖‖	.12									.26						.03		T.														0.41

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight.

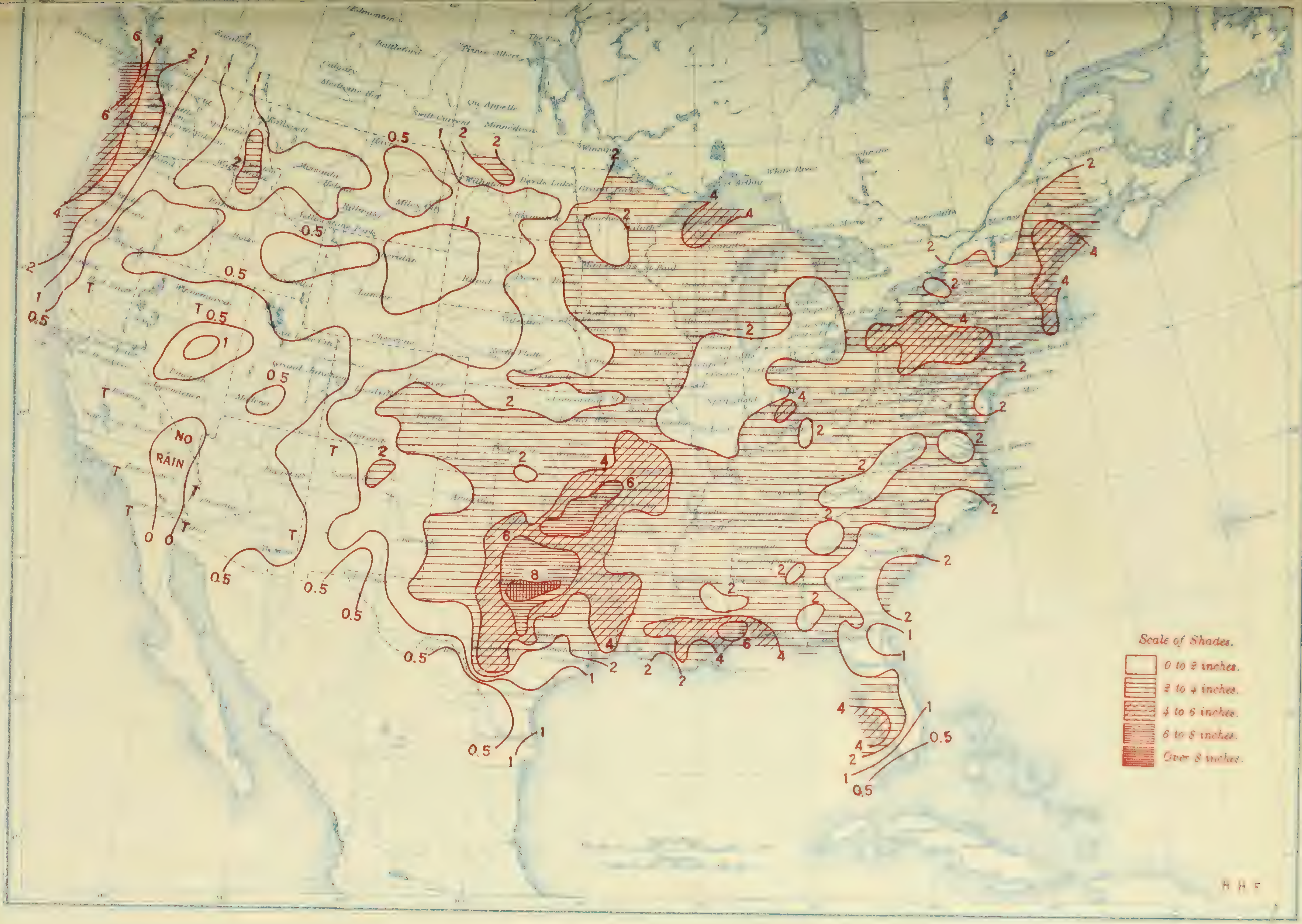
‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

T. Trace, or less than 0.01 inch.

Daily temperatures for April, 1916.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek (near)	Maximum	47	42	45	50	45	42	52	55	56	54	48	37	47	60	48	54	50	48	54	59	69	61	63	78	79	55	61	70	46	49	....	54.7
	Minimum	30	26	22	21	13	15	15	25	31	32	29	15	14	24	25	26	26	24	25	19	31	30	26	32	34	32	34	24	24	37	....	25.4
Owyhee	Maximum																																
	Minimum																																
San Jacinto	Maximum	53	46	52	56	50	49	57	64	67	74	61	43	55	68	63	64	60	49	41	59	64	59	63	72	76	75	76	66	50	55	....	59.6
	Minimum	28	25	19	18	29	27	14	20	26	33	33	27	20	23	40	27	34	32	22	21	39	28	31	26	40	33	34	34	29	30	....	28.1
Humboldt Basin.																																	
Austin	Maximum	62	38	51	55	50	50	60	67	69	72	46	39	60	65	60	65	61	50	49	63	64	64	73	72	72	75	71	....	....	....	....	60.1
	Minimum	32	28	28	27	25	25	32	38	41	37	21	21	30	31	35	35	32	28	27	28	38	32	36	39	37	41	32	....	....	....	....	31.7
Carlin	Maximum																																
	Minimum																																
Clover Valley	Maximum																																
	Minimum																																
Elko	Maximum	55	61	55	55	55	55	56	63	66	72	67	45	57	65	62	63	62	54	48	60	64	62	69	69	73	73	73	70	57	58	....	61.5
	Minimum	30	30	32	29	24	20	19	20	21	32	37	26	19	27	37	29	31	38	22	30	35	29	28	27	41	34	32	32	33	33	....	29.2
Eureka	Maximum	60	52	50	58	51	50	61	68	70	74	63	50	52	68	64	70	68	56	48	67	67	75	76	75	78	78	77	70	47	55	....	63.3
	Minimum	32	33	23	28	24	23	22	30	35	42	33	22	18	28	33	32	33	30	24	25	36	35	40	41	40	42	40	37	32	27	....	31.3
Imlay	Maximum	58	57	59	58	60	58	66	74	72	70	65	62	65	68	60	61	60	58	57	59	58	60	64	68	69	76	72	68	65	68	....	63.8
	Minimum	30	31	28	27	25	25	27	23	34	35	36	34	35	34	32	31	30	29	29	30	33	31	30	33	35	36	37	35	33	25	....	31.1
Paradise Valley	Maximum	59	54	62	63	56	61	63	71	72	78	63	50	62	72	63	64	57	56	52	66	66	66	73	75	77	79	71	64	59	65	....	64.6
	Minimum	30	22	27	24	25	23	21	22	34	33	36	23	19	26	36	28	37	30	21	21	48	35	27	32	35	31	31	31	25	28	....	28.7
Tecoma	Maximum	60	58	59	62	61	52	60	68	72	75	79	68	61	70	71	68	69	68	54	60	64	68	72	78	80	79	82	80	65	68	....	67.7
	Minimum	22	27	24	28	30	21	19	22	30	33	43	32	20	27	32	30	31	34	16	15	28	29	30	31	41	40	38	37	32	30	....	29.1
Wells	Maximum	59	47	54	55	50	50	59	65	67	74	42	45	59	65	58	63	60	50	45	60	60	62	72	75	75	77	70	60	53	50	....	59.4
	Minimum	30	28	21	27	27	15	13	25	30	32	25	12	22	36	32	29	35	19	12	32	25	23	30	43	26	29	42	30	33	20	....	26.8
Winnemucca	Maximum	60	57	62	64	58	58	66	74	75	76	53	51	64	72	62	67	57	53	52	66	67	70	76	77	78	80	74	63	59	66	....	65.2
	Minimum	32	26	29	30	28	27	26	26	34	38	33	26	24	30	44	33	39	30	24	26	47	41	34	36	38	34	38	42	37	31	....	32.8
Truckee Basin.																																	
Reno	Maximum	62	54	59	63	64	62	68	71	74	70	52	51	64	70	63	64	54	52	60	66	64	67	71	73	75	72	69	65	59	67	....	64.2
	Minimum	34	38	32	38	34	35	29	36	38	40	34	28	29	34	38	35	40	35	35	32	46	38	35	41	39	39	45	38	36	30	....	36.0
Fallen Leaf, Cal.	Maximum	55	51	51	53	57	55	57	61	64	62	60	57	55	58	58	55	51	46	56	57	53	56	63	64	64	62	60	58	46	50	....	56.5
	Minimum	31	31	33	28	28	29	28	31	30	35	28	28	31	31	34	35	36	33	26	30	40	39	32	33	34	35	35	36	30	30	....	32.0
Tahoe, Cal.	Maximum	56	44	50	54	55	55	54	57	56	60	51	49	54	57	59	57	52	40	46	54	53	53	57	59	60	58	55	52	49	55	....	53.7
	Minimum	24	30	26	25	23	26	25	24	25	27	27	21	26	29	26	26	34	21	23	25	38	30	25	26	27	28	29	26	27	23	....	26.4
Carson Basin.																																	
Fallon ☞	Maximum	65	56	63	66	63	62	66	76	78	80	63	52	63	76	72	73	62	60	58	74	73	73	77	79	79	81	78	73	59	65	....	68.8
	Minimum	29	39	34	37	34	29	26	31	38	37	46	30	25	30	37	32	41	30	34	30	44	33	32	40	38	40	36	35	37	29	....	34.4
Gardnerville	Maximum	65	....	59	62	62	64	65	70	....	....	72	59	63	70	66	....	65	58	....	69	68	67	....	72	72	71	67	69	67	....	....	66.2
	Minimum	26	....	32	30	26	27	25	30	....	....	32	26	22	25	30	....	33	26	....	26	41	37	....	30	34	33	33	34	33	....	....	30.0
Lahontan	Maximum	66	59	61	65	65	62	66	78	74	77	54	55	63	78	79	74	68	62	62	76	72	74	79	82	80	79	80	79	64	67	....	70.0
	Minimum	38	38	36	41	37	32	30	44	46	43	30	30	38	41	41	36	40	36	33	36	45	37	39	41	45	44	40	41	36	33	....	38.2
Walker Basin.																																	
Mina	Maximum	70	68	69	64	68	63	68	75	78	81	70	55	63	75	72	75	65	70	66	75	70	70	80	80	80	80	80	78	75	66	....	71.6
	Minimum	30	32	29	33	37	29	25	31	39	40	42	32	31	30	37	35	34	38	34	30	36	36	41	42	40	40	43	40	36	30	....	35.1
Yerington	Maximum	66	65	59	64	63	65	66	74	72	73	68	76	61	75	69	72	68	61	64	73	72	72	78	78	76	75	74	73	62	63	....	69.2
	Minimum	27	27	32	32	30	31	25	29	30	28	31	25	23	30	31	28	39	27	29	27	40	31	31	34	32	34	33	31	32	37	....	30.5
Bridgeport, Cal.	Maximum	55	46	49	53	55	53	60	65	68	66	53	42	55	65	57	61	57	51	58	62	59	61	66	67	67	66	64	63	60	58	....	58.7
	Minimum	20	20	26	22	22	23	21	24	23	26	33	26	20	20	26	25	36	26	21	20	29	33	22	25	29	25	29	26	32	16	....	24.9
Colorado Basin.																																	
Las Vegas	Maximum	81	78	71	73	80	78	76	81	90	90	76	77	76	82	86	85	85	82	80	80	89	92	88	92	93	95	96	94	82	75	....	83.4
	Minimum	40	38	44	49	40	41	46	37	42	46	46	40	44	48	43	50	59	57	57	40	40	45	49	49	52	53	53	50	61	40	....	46.6
Logan	Maximum	81	79	72	73	78	78	78	83	87	92	78	78	78	80	84	90	86	83	81	81	88	88	92	95	95	97	99	97	81	79	....	84.4
	Minimum	40	60	50	50	42	41	43	41	40	44	54	43	49	48	46	50	49	55	50	44	45	47	46	52	54	59	50	52	50	42	....	47.9
Pioche	Maximum	61	42	50	45	45	55	60	65	73	60	50	46	50	59	69	70	65	65	63	67	69	74	77	78	75	79	80	78	52	55	....	62.6
	Minimum	32	32	33	35	28	29	30	33	38	39	44	32	28	37	37	38	40	43	34	36	40	41	43	43	43	47	46	48	37	29	....	37.2
Minor Basins.																																	
Cherry Creek	Maximum	62	49	53	60	47	45	57	57	68	70	62	44	53	66	63	68	68	52	45	63	60	66	71	74	75	78	80	83	55	60	....	61.8
	Minimum	30	32	33	23	32	23	21	25	35	34	32	30	25	35	42	31	42	35	25	23	36	33	34	38	39	38	39	44	33	26	....	32.3
Columbia	Maximum	67	57	57	58	61	60	64	72	75	75	61	46	58	69	70	72	70	62	60	71	68	74	78	77	78	80	80	76	67	65	....	67.6
	Minimum	35	35	28	29	32	28	24	33	41	44	33	28	29	30	37	36	44	37	33	30	37	39	39	44	45	44	43	43	39	30	....	35.6
Gerlach	Maximum	....	....	....	....	....	....	....	75	76	72	76	53	62	73	71	70	69	68	53	70	68	70	75	83	80	82	75	66	68	68	....	70.6
	Minimum	....	....	....	....	....	....	....	46	43	51	36	27	25	37	44	42	49	32	28	32	30	34	31	38	38	39	44	38	36	32	....	37.0
Lida	Maximum	63	55	55	59	61	59	62	68	73	67	62	47	57	68	67	67	65	64	60	67	68	71	73	74	74	76	76	75	68	65	....	65.5
	Minimum	29	34	31	30	33	30	28	33	38	34	30	25	29	32	37	32	37	34	33	30	35	38	41	40	44	45	46	41	38	30	....	34.6
McDermitt	Maximum	53	52	60	62	55	64	70	70	72	74	75	47	63	70	61	62	57	49	61	55	63	69	72	73	75	74	68	62	58	63	....	63.6
	Minimum	35	22	25	31	22	27	31	30	37	33	31	20	25	35	29	34	37	17	28	31	36	31	35	37	42	40	36	32	20	27	....	30.5
McGill	Maximum	63	55	56	56	52	49	59	68	70	72	65	41	55	63	62	68	67	62	47	64	67	68	74	76	75	76	74	73	51	55	....	62.8
	Minimum	32	35	32	30	34	27	23	27	35	42	36	26	27	34	40	32	43	33	29	26	42	35	35	42	41	42	40	42	30	30	....	34.1
Millett	Maximum	66	54	56	58	59	57	63	71	75	77	66	45	57	61	66	70	69	65	60	71	73	71	76	77	75	78	77	72	64	60	....	66.3
	Minimum	23	35	35	23	31	20	19	22	29	31	35	28	20	25	35	27	45	40	35	23	31	28	34	34	39	46	32	44	33	22	....	30.8
Oasis Ranch	Maximum	80	67	59	64	61	65	67	82	79	85	64	55	62	75	78	78	75	69	67	76	75	84	82	82	87	84	82	80	69	67	....	73.3
	Minimum	32	35	30	28	30	26	27	32	33	41	35	31	31	30	35	33	38	37	32	29	31	32	39	38	42	34	36	37	42	30	....	33.5
Rebel Creek	Maximum	60	56	63	63	59	58	65	71	73	76	66	49	64	71	68	63	59	50	50	65	65	66	73	75	77	78	75	64	59	63	....	64.8
	Minimum	38	30	29	31	27	35	30	31	41	39	32	26	30	33	38	35	35	34	23	29	51	37	35	40	44	38	46	37	31	32	....	34.6
Rhyolite	Maximum	77	67	64	64	71	70	74	75	80	78	73	60	67	78	75	76	75	73	78	75	77	83	84	83	84	85	84	86	80	75	....	75.7
	Minimum	45	45	44	47	46	45	48	44	45	51	47	37	40	48	47	48	58	48	47	46	49	48	49	56	54	55	56	56	52	47	....	48.3
Sand Pass	Maximum	57	59	64	68	65	65	68	76	78	74	61	58	66	74	67	70	59	57	60	71	67	70	72	80	79	78	72	77	62	68	....	68.1
	Minimum	42	35	33	35	32	38	34	34	42	44	35	28	30	34	40	35	41	31	28	34	48	38	35	34	38	40	46	40	37	36	....	36.6
Searchlight	Maximum	67	66	63	62	68	68	66	73	81	78	70	66	62	71	74	78	77	74	73	73	80	82	84	84	85	86	87	87	78	68	....	74.4
	Minimum	40	49	50	46	41	50	45	49	50	53	53	39	45	45	48	50	53	51	48	49	52	60	55	59	61	63	63	60	60	49	....	51.2
Sharp	Maximum	65	62	58	55	58	55	56	67	72	72	62	45	55	56	69	70	68	60	54	65	70	74	76	77	75	77	79	75	65	56	....	64.9
	Minimum	34	36	28	29	30	25	22	34	35	39	42	29	21	28	35	34	40	39	30	22	35	35	36	38	43	40	41	45	35	29	....	33.6
Sulphur	Maximum	64	57	63	65	63	60	67	73	75	77	67	53	64	73	69	67	63	54	56	68	66	67	74	75	76	79	73	68	59	66	....	66.7
	Minimum	34	27	25	29	26	34	27	30	37	45	41	23	25	32	41	38	44	33	26	31	37	38	34	38	41	40	47	41	35	39	....	34.6
Tonopah	Maximum	62	42	51	53	53	55	59	64	69	69	53	40	53	63	63	67	63	56	53	64	61	67	72	71	71	72	73	70	51	59	....	60.6
	Minimum	41	33	29	37	34	37	34	42	46	47	30	26	27	39	40	44	43	34	31	37	46	43	46	52	48	51	46	48	32	33	....	39.2

☞ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
NO RAIN
T
0
0.5
1
2
4
6
8
Edmonton
Battleford
Prince Albert
The Pas
Calgary
Medicine Hat
Qu'Appelle
Swift Current
Minnedosa
Winnipeg
Havre
Kalispell
Helena
Williston
Devils Lake
Grand Forks
Miles City
Billings
Yellowstone Park
Sheridan
Lander
Boise
Winnemucca
Cheyenne
North Platte
Denver
Grand Junction
Modena
Duluth
Moorhead
White River
Port Arthur
H H F

Notes on snowfall in the mountains, and water supply.

The average snowfall in the Truckee, Carson, and Walker basins was considerably less than that of April, 1915, and below the normal in all districts. Of nine stations in the Sierras, only two reported measureable amounts namely, Marlette Lake and Markleeville, each one inch.

The snow had disappeared at Hobart Mills on the 11th; at Bijou on the 16th; at Tallac on the 17th, and at McKinneys on the 30th; by the close of the month, the depth was 2 inches at Tahoe, 12 at Fallen Leaf, and 50 at Marlette Lake.

The accumulative snowfall in the Truckee Basin for the current season (December, 1915 to April, 1916) was 281 inches, which is 144 per cent of the 6-year normal, as compared with 304 inches for the season of 1910-11, which was 156 per cent of the normal.

The indications are that the available run-off in Lake Tahoe this season, as compared with that of 1910-11, which was the season of heaviest snowfall of record, will be in the ratio of 281 to 304, approximately.

SPECIAL HIGH-LEVEL SNOW SURVEYS.

In March and April, 1916, eleven high-level snow-surveying courses were established by the Weather Bureau in cooperation with Dr. J. E. Church, jr., Meteorologist of the University of Nevada, at specially selected points situated in the Lake Tahoe and the Carson and Walker river basins, in the Sierra Nevada Mountains. Measurements of the depth of the snow and its water contents were made with a snow sampler and spring balance of the "Church" type at 10 to 40 points, fifty feet apart, along each course. The courses established are as follows:

In the Lake Tahoe Basin: At Genoa Summit (Daggetts Pass), Nevada, elevation, 8,000 feet, one course of 40 measurements; at Meyers Station, Cal., elevation, 7,000 feet, one course of 40 measurements; at Freel Peak, Cal., elevation, 8,500 feet, two courses of 19 and 20 measurements, respectively; these courses were established for the purpose of completing the system previously established and maintained by the University of Nevada in that watershed.

In the Carson River Basin: At Grass Lake, Cal., elevation, 7,500 feet, two courses of 10 and 30 measurements, respectively; Burnside Lake, Cal., elevation 8,000 feet, two courses of 20 measurements each; at Williams (near Red Lake), Cal., elevation, 8,000 feet, two courses of 20 measurements each; at Blue Lakes, Cal., near Tamarack (just west of the dividing line between the Sacramento and Carson river watersheds), elevation, 8,000 feet, two courses of 20 measurements each.

In the Walker River Basin: At Pickle Meadow, Cal., elevation, 7,280 to 7,750 feet, two courses of 19 and 20 measurements, respectively; at Willow Flat, Cal., elevation, 7,950 to 8,075 feet, one course of 40 measurements; at Big Meadow, Cal. (near "The Roughs"), elevation, 7,525 feet, one course of 40 measurements; at Cinque Mountain, (about 2 miles northeast of Kerrick Meadow), Cal., elevation, 8,800 to 9,050 feet, one course of 40 measurements.

From the northernmost course to the southernmost the distance is about 58 miles. The north and south, and the east and west limits of the region within which the surveys were made are, approximately, latitude 38° 09′ to 38° 58′ North, and longitude 119° 25′ to 119° 58′ West.

The salient features of the snow cover in the localities named, together with its water content and density per cent are shown in the accompanying table. The snow-surveying courses established in the Truckee and Tahoe basins several years ago by the University of Nevada are indicated by an asterisk (*). In the Truckee Basin the low-level courses range from 5,800 to 6,000 feet in elevation; at Summit, the high-level course has an elevation of 7,000 feet. In the Tahoe Basin, the low-level courses have elevations ranging from 6,225 to 6,240 feet; the elevations of the high-level courses range from 6,800 feet at Glen Alpine to 10,800 feet at Mount Rose.

SNOW MEASUREMENTS.

Stations.	No. of measurements.	Maximum depth.	Water equivalent.	Density.	Minimum depth.	Water equivalent.	Density.	Mean depth.	Water equivalent.	Density.
		In.	In.	P.C.	In.	In.	P.C.	In.	In.	P.C.
Truckee Basin.										
(Low levels.)										
Truckee *	12							46.2	19.6	42.4
Hobart Mills *	18							48.5	19.2	39.6
(High levels.)										
Summit *	10							133.3	64.1	48.1
West Tahoe Basin.										
(Low levels.)										
Carnelian Bay *	10							49.9	19.3	38.7
Tahoe City *	184							76.4	27.9	36.5
Sunnyside *	11							76.0	29.4	38.7
Blackwood *	47							91.0	32.4	35.6
McKinneys *	15							80.8	31.4	38.9
Meeks Bay *	10							64.0	25.0	39.1
Tallac Hotel *	20							39.1	15.3	39.1
East Tahoe Basin.										
(Low levels.)										
Incline *	40							35.8	15.5	43.0
Glenbrook *	40							35.5	13.8	38.9
Zephyr Cove *	20							40.0	15.2	38.0
Bijou *	20							44.5	18.0	40.4
West Tahoe Basin.										
(High levels.)										
Ward Creek *	10							139.9	67.3	48.1
Blackwood *	41							113.9	49.1	43.1
Rubicon *	27							154.1	62.4	40.5
Mt. Tallac *	57							102.5	47.2	46.0
Gilmore Lake *	9							157.7	76.0	48.2
Lake Lucille *	37							152.8	72.8	47.6
Glen Alpine *	10							101.8	45.8	45.0
East Tahoe Basin.										
(High levels.)										
Mt. Rose *	202							77.6	37.0	47.7
Marlette Lake *	20							80.4	36.8	45.8
Genoa Summit (a)	40	73.0	31.5	43.2	23.0	9.5	41.3	55.4	24.4	44.0
Meyers Station (b)	40	74.0	30.5	41.2	42.0	21.0	50.0	63.5	27.1	42.7
Freel Peak (c)	39	59.5	25.0	42.2	17.0	6.7	39.4	43.7	20.6	47.2
Carson Basin.										
Grass Lake (d)	40	99.0	37.0	37.4	35.5	12.5	35.2	64.7	26.8	41.4
Burnside Lake (e)	40	110.0	48.5	44.1	56.0	23.5	42.0	94.0	41.7	44.4
Williams (f)	40	126.0	54.0	42.9	42.0	15.6	37.1	88.4	38.8	43.8
Blue Lakes (g)	40	172.0	71.3	41.5	104.0	43.3	41.6	139.4	57.1	41.0
Walker Basin.										
Pickle Meadow (h)	39	86.5	43.8	50.6	23.0	11.3	49.1	43.2	21.0	49.0
Willow Flat (i)	40	138.0	66.3	48.0	T.	T.	......	50.4	23.0	45.6
Big Meadow (j)	40	172.0	71.8	41.7	0.0	0.0	......	78.2	36.1	46.2
Cinque Mountain (k)	40	172.8	72.3	41.8	T.	T.	......	125.8	54.8	43.6

Dates.—(a), March 18; (b), March 17; (c), April 16; (d), March 17; (e), March 26; (f) March 26; (g), March 24; (h), April 4; (i), April 5; (j), April 9; (k), April 8.

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

NEVADA SECTION

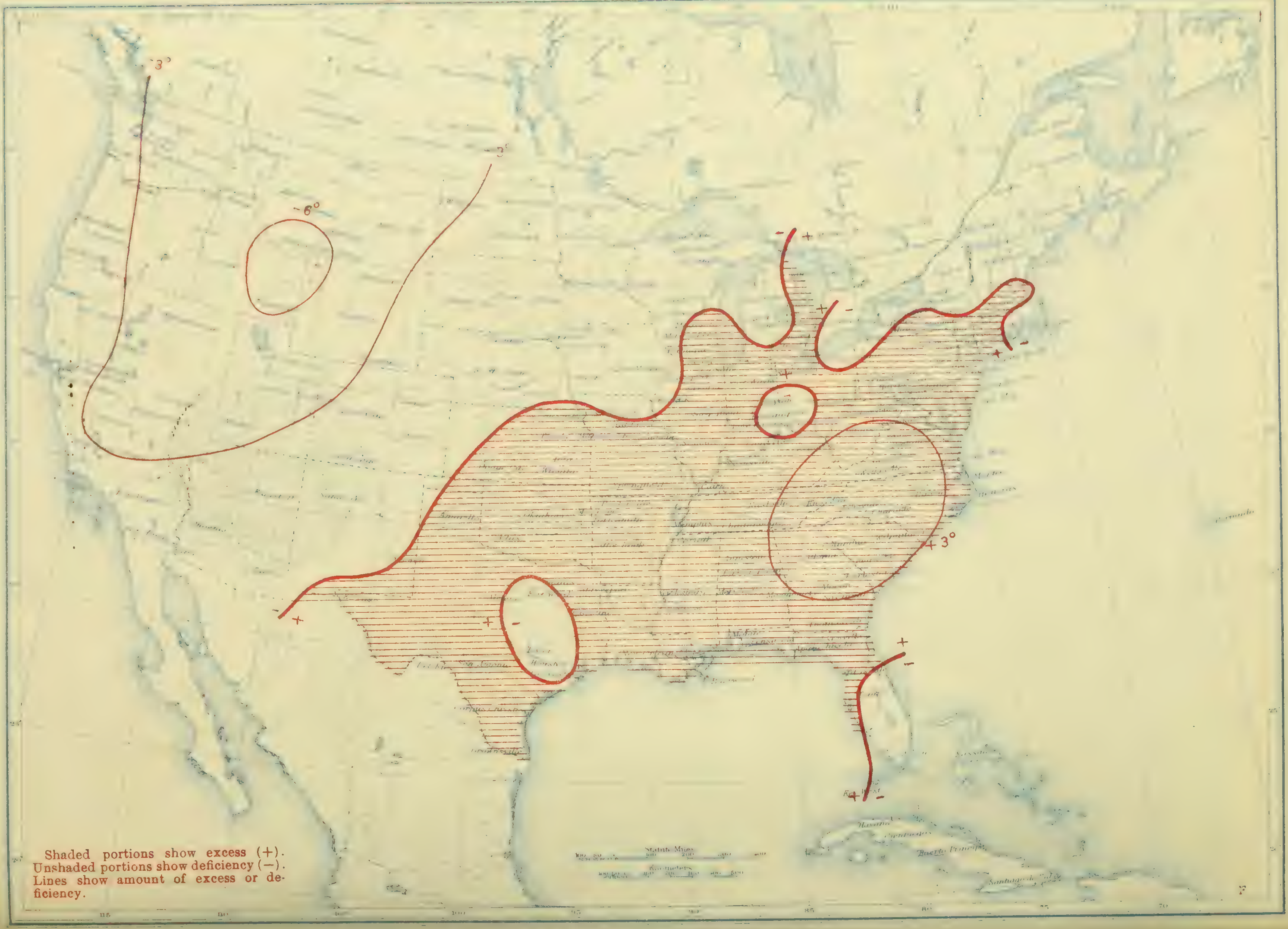
MAY, 1916

BY

HENRY F. ALCIATORE
METEOROLOGIST.

RENO, NEVADA
WEATHER BUREAU OFFICE
JUNE 21, 1916

Departure of the Mean Temperature from the Normal, May, 1916.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALCIATORE, Meteorologist.

Vol. XXXI. Reno, Nevada, May, 1916. No. 5.

GENERAL SUMMARY.

Considered as a whole, May was cold, dry, and windy, with an abundance of sunshine. The first week was warm and pleasant, and vegetation made rapid progress—too rapid, in fact, for the cold weather that followed did considerable damage in some localities. With the exception of Clark County, where relatively high temperatures prevailed, the mean temperature was below normal in all districts. The nights were unusually cold, and the last freeze of the season occurred later than usual; at two high-level stations in Nye County as late as the 31st, but generally about the 26th, except the extreme southeastern portion of the State, which has been free from damaging frosts since the latter part of March. The fruit crop has suffered the greatest damage, particularly apples.

The first half of the month was practically rainless, but light showers occurred over large areas from the 18th to the 20th, and 23d to 25th. The monthly fall was from one to a little more than two inches in some parts of Eureka, Elko, and Humboldt counties; over the rest of the Section generally it varied from a trace to about nine-tenths inch; at Fallon and Oasis Ranch there was none at all. The number of days with rain was about 50 per cent of the normal. In some of the northern counties the snowfall was unusually heavy; three stations in the Columbia River watershed received an average of twelve inches; at Jack Creek, in Elko County, the fall was twenty inches. The average precipitation for the State as a whole was 36 per cent of that of May, 1915, and 48 per cent of the normal.

The amount of sunshine received was considerably above the normal in all districts; at Reno, the excess was about 11 per cent. Of the days of the month, 81 per cent were either cloudless or only partially overcast.

High winds and sandstorms occurred in some localities on several occasions; at Reno, the storm of the 6th was severe; maximum velocities of 31 to 52 miles per hour were recorded hourly from 9 a. m. to 3 p. m., and a number of trees were blown down, one of which damaged the roof of a residence upon which it fell.

Viewed from an agricultural standpoint, the month's weather has been very unfavorable, and the season is backward. At the close of the month, some of the shade trees in Reno were shedding their leaves as freely as they usually do in the autumn, and the University campus was literally covered with dead leaves.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 38 stations, was 52.2°. The mean for the 24 stations having ten or more years record was 2.7° below the normal. The highest recorded was 101°, at Logan, on the 8th; the lowest was 11°, at Wells, on the 9th and Gold Creek, on the 10th. The greatest daily range was 56°, at Beowawe, on the 2d and Oasis Ranch, on the 3d. The highest monthly mean was 72.4°, at Logan; the lowest was 41.0°, at Gold Creek.

PRECIPITATION.

The average for 47 stations reporting was 0.48 inch. For the 26 stations having ten or more years record, the mean was 0.51 inch below the normal. The average amount at 3 stations in the Columbia Basin was 1.29 inches; at 14 stations in the Humboldt Basin, 0.54 inch; at 9 stations in the Truckee Basin, 0.39 inch; at 5 stations in the Carson Basin, 0.40 inch; at 4 stations in the Walker Basin, 0.05 inch, at 3 stations in the Colorado Basin, 0.29 inch, at 19 stations in the minor basins, 0.51 inch. The greatest monthly fall was 2.09 inches, at Eureka; there was none at 2 stations. The average number of days with precipitation was 2.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric Pressure (sea level)			Mean relative humidity		Wind			
	Mean.	Highest.	Lowest.	5 a. m.	5 p. m.	Average hourly velocity.	Max. velocity		
							Miles per hour.	Direction.	Date.
Reno	29.90	30.26	29.53	63	24	9.1	52	sw.	6
Winnemucca	29.92	30.30	29.49	70	28	6.8	48	sw.	6
Tonopah	29.84	30.17	29.36	46	22	10.3	36	nw.	19

SUNSHINE AND CLOUDINESS.

At Reno, 84 per cent of the possible sunshine was recorded; at Winnemucca, 83 per cent; at Tonopah, 78 per cent. For the State, the average number of clear days was 17; partly cloudy, 8; cloudy, 6.

MISCELLANEOUS PHENOMENA.

(Dates of.)

Brisk Winds.—5, 6, 8, 9, 10, 11, 12, 18, 19, 21, 22, 23, 28.
Solar Halos.—2, 17.
Lunar Halos.—11.
Sleet.—19, 23, 24.
Thunderstorms.—23, 24, 31.
Hail.—McDermitt, 12; Francis, 18; Cherry Creek, 12.

COMPARATIVE DATA FOR MAY.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	57.8	106	20	1.44	3.6	5	13	8	10	sw.
1890	59.9	105	23	1.05	0.4	4	18	7	6	s.
1891	54.7	95	21	2.43	2.4	10	10	10	11	sw.
1892	53.8	100	13	1.17	6.6	6	12	10	9	w.
1893	52.6	98	18	0.41	0.8	3	16	7	8	sw.
1894	56.3	95	16	0.80	1.0	4	15	8	8	sw.
1895	56.1	105	18	0.55	2.5	4	13	9	9	sw.
1896	48.2	108	5	2.03	4.0	6	10	9	12	w.
1897	60.0	99	12	0.59	0.1	4	15	10	6	s.
1898	51.8	93	20	1.84	1.6	7	11	9	11	w.
1899	49.7	96	10	0.68	1.8	4	10	10	11	sw.
1900	56.6	101	20	0.77	0.5	3	16	5	10	w.
1901	56.2	94	19	0.86	1.2	4	13	8	10	sw.
1902	53.7	102	16	0.37	1.0	3	15	8	8	sw.
1903	54.1	106	15	0.70	2.4	3	16	7	8	sw.
1904	54.0	98	10	0.84	1.1	3	18	6	7	n.
1905	50.4	94	14	1.23	2.1	5	12	8	11	sw.
1906	53.1	98	14	1.38	0.6	5	13	8	10	w.
1907	51.8	99	13	0.56	0.9	3	13	10	8	w.
1908	49.9	99	7	1.01	3.3	5	12	10	9	w.
1909	52.8	100	10	0.18	0.3	2	15	10	6	w.
1910	58.9	114	11	0.21	1.3	1	21	6	4	w.
1911	50.6	97	16	0.45	0.6	2	13	10	8	sw.
1912	54.0	101	20	0.46	0.2	3	15	10	6	w.
1913	57.1	100	5	1.28	0.1	4	15	9	7	w.
1914	59.4	111	10	0.53	T.	3	15	11	5	w.
1915	53.2	103	12	1.34	2.0	6	9	12	10	w.
1916	52.2	101	11	0.48	1.9	2	17	8	6	w.
Entire period	54.2	114	5	0.92	1.6	4	14	9	8	w.

LATE REPORTS.

April, 1916.—Caliente, total precipitation, 1.00 inch; total snowfall, none; number of days with precipitation, 3. Clover Valley, mean temperature 47.0°; highest, 78°, on the 26th; lowest, 20°, on the 7th and 13th; total precipitation, 0.53 inch; total snowfall, none; number of days with precipitation, 2; clear, 6; partly cloudy, 19; cloudy, 5. Francis, total precipitation, 0.23 inch; total snowfall, 0.1 inch; number of days with precipitation, 3; clear, 25; partly cloudy, 3; cloudy, 2. Smith, total precipitation, 0.13 inch; total snowfall, none; number of days with precipitation, 1.

Climatological data for May, 1916.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days.				Prevailing direction of the wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	3	41.0		73	†2	11	†10	44	3	1.02		0.40	12.0	5	19	2	10	s.	U. S. Forest Service.
Jack Creek**	do	6,300									3	1.81		0.96	20.0	5	12	16	3	w.	C. E. Butler.
Owyhee	do	5,400	5								5										Indian Service.
San Jacinto	do	5,200	11	46.6^{f}	−2.2	80^{f}	6	15^{f}	12	46^{f}	11	1.00	−0.39	0.50	3.0	4	18	6	7	n.	Utah Construction Co.
Humboldt Basin.																					
Arthur	Elko	6,500									6	0.37	−0.94	0.35	3.2	2	25	4	2	nw.	Isaac Woodhouse.
Austin	Lander	6,594	27	47.6^{g}	−3.0	79^{g}	4	19^{g}	13	45^{g}	27	0.22	−1.32	0.11	1.0	3	19	9	3		Forest Service.
Battle Mountain	do	4,513	45					22	†11		47	T.	−0.80	T.	0	0	13	5	13		Southern Pacific Co.
Beowawe	Eureka	4,695	45	50.4	−7.1	85	3	19	13	56	47	0.32	−0.31	0.15	0	3	16	7	8	nw.	Do.
Clover Valley**	Elko	6,000	15	48.4	−2.8	79	†4	16	10	50	23	0.85	−0.58	0.45	1.0	3	8	15	8		I. F. Wiseman.
Dry Farm **§	do	5,600	4								7										Walfrid Sohlman.
Elko	do	5,063	45	47.4	−6.4	78	4	18	10	46	46	0.50	−0.48	0.50	T.	1	17	8	6	w.	Western Pacific Co.
Eureka	Eureka	6,837	18	48.4	−2.7	80	4	17	†10	45	20	2.09	+0.61	1.00	9.0	4	14	7	10	n.	Clay Simms.
Golconda	Humboldt	4,392	37	51.0	−5.4	82	†4	20	9	48	39	0.10	−0.66	0.10	0	1	13	12	6	w.	Southern Pacific Co.
Hylton	Elko	7,081									6										Chas. Toyne, sr.
Imlay §	Humboldt	4,209	3								3										Southern Pacific Co.
Metropolis §	Elko	5,661									7										L. F. Hatch.
North Fork	do	6,500									7	0.75		0.30	7.0	4	10	14	7	n.	Chas. Pratt.
Paradise Valley	Humboldt	4,500	3	47.1		82	3	16	10	48	7	0.47		0.22	T.	3	16	10	5	sw.	R. M. Taylor.
Potts	Nye	6,002	23	47.3	−3.7	80	4	15	10	51	25	0.09	−1.02	0.06	0.5	2	6	12	13	s.	Miss Maud Potts.
Tecoma	Elko	4,812	38	51.2	−2.8	86	†5	15	10	48	40	1.08	+0.42	0.75	0	4	8	19	4	n.	Southern Pacific Co.
Wells	do	5,631	41	44.4	−8.0	79	6	11	9	48	47	0.17	−0.79	0.15	3.0	3	17	9	5		Do.
Winnemucca	Humboldt	4,344	39	50.3	−4.1	84	3	20	13	45	47	0.49	−0.54	0.18	0.2	4	19	5	7	sw.	U. S. Weather Bureau.
Truckee Basin.																					
Franktown §	Washoe	5,054	1	50.4	−2.6	78	3	23	13	47	1	T.	−1.60	T.	0	0	16	10	5	w.	Agent V. & T. Ry.
Glenbrook	Douglas	6,240	7								7										C. C. Henningsen.
Marlette Lake**	do	7,900									3	0.55		0.55	6.0	1	18	0	13	w.	V. & G. H. Water Co.
Reno	Washoe	4,532	29	52.0	−1.6	82	3	27	13	42	29	T.	−0.79	T.	T.	0	23	3	5	w.	U. S. Weather Bureau.
Bijou, Cal.		6,230									7	0.51		0.31	1.0	5	19	5	7	n.	Chas. Young.
Fallen Leaf, Cal.		6,400	4	44.2		72	3	18	24	32	4	0.38		0.25	6.0	3	12	16	3	s.	W. W. Price.
Hobart Mills, Cal.		5,900									7	0.30		0.08	T.	6	16	9	6	s.	S. E. Patterson.
McKinney, Cal.		6,225									7	0.77		0.33	3.0	5	23	4	4	w.	Fred Jensen.
Tahoe, Cal.		6,230	8	44.8		67	†3	21	24	36	8	0.53		0.17	0	4	23	4	4	w.	Mrs. Emma C. Smith.
Tallac, Cal.		6,230									7	0.43		0.12	2.0	6	17	11	3	w.	Willis D. Sloan.
Carson Basin.																					
Fallon	Churchill	3,965	22	53.8	−1.9	86	3	26	†10	45	22	0.00	−0.70	0.00	0	0	20	6	5	nw.	U.S. Experiment Station.
Gardnerville	Douglas	4,830	25	51.0^{m}	−2.5	78^{m}	3	24^{m}	2	52^{m}	26	T.	−0.67	T.	T.	0				w.	Forest Service.
Lahontan	Churchill	4,200	4	57.1		89	4	29	†7	43	6	T.		T.	0	0	24	5	2	w.	U.S. Reclamat'n Service.
Markleeville, Cal.		5,525									7	0.24		0.24	4.0	1	21	8	2	s.	Mrs. Mary Thornburg.
Woodfords, Cal.**		5,634									7	0.28		0.20	3.0	2	20	2	9	sw.	Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	9								20										Southern Pacific Co.
Smith	Lyon	4,800									8	T.		T.	T.	0					C. M. Carter.
Thorne §	Mineral	4,200	3								3										Southern Pacific Co.
Yerington §	Lyon	4,375	7	52.4	−2.9	84	†3	22	11	46	7	T.	−0.42	T.	T.	0				sw.	High School.
Bridgeport, Cal.		6,500	3	44.8		74	3	16	24	48	5	0.17		0.09	1.5	2	20	8	3	w.	Geo. Delury, jr.
Shields Ranch, Cal.**		5,300									7	0.04		0.04	T.	1	11	14	6		Frank W. Chichester.
Colorado Basin.																					
Indian Springs §**	Clark	3,136	3								3										Ira McFarland.
Las Vegas	do	2,033	14	68.7	+1.8	97	4	40	†1	47	14	0.05	−0.01	0.05	0	1	28	1	2	s.	C. P. Squires.
Logan §	do	1,355	9	72.4	+1.0	101	8	37	25	51	17	0.18	+0.08	0.18	0	1	21	8	2		Experiment Farm.
Pioche	Lincoln	6,100	18	55.1	+0.2	78	†5	28	25	42	18	0.64	−0.18	0.64	0	1	24	5	2		M. L. Lee.
Minor Basins.																					
Belmont	Nye	8,510	16	43.8	−6.4	67	†5	20	13	35	16	0.32	−0.52	0.19	0	2	15	12	4	ne.	Monitor-Belmont M. Co.
Cherry Creek	White Pine	6,150	8	49.0		85	8	21	15	54	8	0.89		0.45	8.0	5	14	10	7	w.	J. H. Leishman.
Columbia**	Esmeralda	5,700	9	54.4		83	†3	26	14	41	11	0.72		0.70	0	2	15	11	5	nw.	A. Booth.
Duck Flat	Washoe	4,725									2	0.68		0.30	T.	3	19	8	4	nw.	H. J. Muller.
Francis (near)	do	5,350									2	0.21		0.15	1.0	3	24	3	4	w.	Geo. W. Barnard.
Gerlach	do	3,931	4	51.9		85	4	15	7	53	4	0.25		0.10	0	3	22	0	9	nw.	Western Pacific Co.
Jungo	Humboldt	4,165									3	0.10		0.07	T.	2	9	17	5	sw.	Do.
Lida §	Esmeralda	6,037	4	52.4	+1.8	78	†4	23	23	41	4	0.67	+0.04	0.67	0	1	27	1	3	nw.	L. F. Detwiler.
McDermitt	Humboldt	4,700	5	48.0	−5.6	80	†3	18	12	43	29	1.21	−0.41	0.40	2.0	6	14	9	8	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	6	52.1	+1.1	81	4	24	15	43	6	0.64	−0.65	0.47	4.7	2	13	10	8	n.	R. E. Middagh.
Millett	Nye	5,040	8	50.2		82	4	17	14	50	9	0.28		0.15	T.	2	21	3	7	w.	Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	4	55.6	+0.4	87	3	26	25	56	4	0.00	−0.63	0.00	0	0	26	0	5		Arthur L. Stewart.
Pahrump **	Nye	2,608	3								3										F. A. Buol.
Quinn Riv. Ranch **††	Humboldt	4,850	14	51.0	−2.6	86	4	14	10	51	15	0.95	+0.48	0.44	0	4				sw.	F. M. Payne.
Rebel Creek	do	4,300	4	50.8		82	3	22	10	44	5	0.95		0.63	3.0	3	5	20	6	sw.	Fred Whitaker.
Rhyolite	Nye	3,680	3	62.0		92	6	31	25	44	3	0.45		0.45	0	1	22	7	2	n.	Secretary School Board.
Sand Pass **	Washoe	4,198	3	53.0		86	3	25	7	42	3	0.54		0.25	T.	4	18	5	8	nw.	R. R. Mott.
Searchlight	Clark	3,445	3	67.2		91	8	40	24	32	3	0.16		0.16	0	1	20	7	4	s.	C. L. Aug. Mahn.
Sharp	Nye	6,200	3	52.6		81	4	25	†1	50	3	0.33		0.33	2.0	1	21	6	4	nw.	F. A. Sears.
Sulphur	Humboldt	4,044	3	52.9		84	3	24	13	41	3	1.00		0.60	T.	3	20	5	6	w.	Western Pacific Co.
Tonopah	Nye	6,090	11	51.8		77	4	22	24	34	11	0.26		0.17	0.7	4	18	9	4	nw.	U. S. Weather Bureau.
Vya ††	Washoe	5,500									3	1.60		0.60	8.5	5	11	17	3	nw.	W. N. Lord.
For the State				52.2	−2.7	101	8	11	†9	56	....	0.48	−0.51	1.00	1.9	2	17	8	6	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Jack Creek, Tuscarora; of Clover Valley, Wells; of Dry Farm, Lamoille; of Marlette Lake, Virginia City; of Woodfords, Cal., Sheridan, Nev.; of Shield's Ranch, Coleville, Cal.; of Indian Springs, Las Vegas; of Columbia, Goldfield; of Duck Flat, Gerlach; of Oasis Ranch, Oasis, Cal.; of Pahrump, Shoshone, via Tecopa, Cal.; of Quinn River Ranch, Amos; of Sand Pass, Sheepshead.

Reference letters, ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing, for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for May, 1916.

Stations.	Day of month																															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Columbia Basin.																																
Gold Creek (near)									.02										.10					.40	.20	.40						[illegible]
Jack Creek									T					T				T	.10		T	T	*	*	1.15	.50						[illegible]
Owyhee																																
San Jacinto														T				.06	.29		T			.50	[illegible]						T	1.66
Humboldt Basin.																																
Arthur																		T					T	[illegible]	T	[illegible]						[illegible]
Austin																		.03	.11				.08									[illegible]
Battle Mountain																							T	T								T
Beowawe																		.12					.15	.05								0.32
Clover Valley																		.10					.45	T	.30							[illegible]
Dry Farm																																
Elko																			T					.50	T							0.50
Eureka																		.25	.59				1.00	.25								2.09
Golconda																							.10									0.10
Hylton																																
Imlay																																
Metropolis ||||																																
North Fork																		.14						.15	.30	.16						0.75
Paradise Valley												T					T	.17				T	T	.22	.08		T	T				0.47
Potts																			.06				.03									0.09
Tecoma																			.75				.11	.10	.12							1.08
Wells																		.01	.01				.15									0.17
Winnemucca***												T		T				.14	T				.12	.14	.09							0.49
Truckee Basin.																																
Franktown							T																									T
Glenbrook																																
Marlette Lake ||||																									.55							0.55
Reno ***						T										T		T					T	T			T					T
Bijou, Cal							.03								.06		T	.07	T				.31	.04								0.51
Fallen Leaf, Cal						T	T											.08					.25	.05			T					0.38
Hobart Mills, Cal						.05	.03											.08					.05	.03			.06					0.30
McKinney, Cal						T	T								T			.16					.33	.14			T					0.77
Tahoe, Cal						.16	.07											.13	T				.17									0.53
Tallac, Cal						.06	.02									T		.10	.05				.12	.08			T					0.43
Carson Basin.																																
Fallon																																0.00
Gardnerville																							T									T
Labontan																							T									T
Markleeville, Cal																	T						.24									0.24
Woodfords, Cal																							.20	.08								0.28
Walker Basin.																																
Mina																																
Smith																							T		T			T				T
Thorne																																
Yerington																		T						T								T
Bridgeport, Cal																							.08		.09							0.17
Shields Ranch, Cal																		T					T				T	.04				0.04
Colorado Basin.																																
Indian Springs																																
Las Vegas																			.05													0.05
Logan																			.18													0.18
Pioche																				.64	T											0.64
Minor Basins.																																
Belmont||||																			.19					.13								0.32
Cherry Creek																			.32				.05	.45	.05					.02		0.89
Columbia																			.02	.70				T								0.72
Duck Flat						T										T	T	.10					.30	.28								0.68
Francis (near)						.01												.15						.05								0.21
Gerlach																		.07					.60	.08								0.25
Jungo																		T					.07	.03								0.10
Lida																		.67						T								0.67
McDermitt												T						.39	.10				.06	.40	.22						.04	1.21
McGill														T			T	.17	T					.47	T							0.64
Millett																		.15					.13									0.28
Oasis Ranch																																0.00
Pahrump																																
Quinn River Ranch																			.20				.44	.23	.08							0.95
Rebel Creek												T						.27					T	.63	.05	T						0.95
Rhyolite																			.45													0.45
Sand Pass																		.20					.06	.25							.03	0.54
Searchlight																			.16						T							0.16
Sharp																								.33								0.33
ulphur																		T					.60	.28	.12							1.00
Tonopah***																.01		.03	.14					.08	T							0.26
ya ||||																	.40	.10				.60	.45	.05								1.60

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of bservation.

*** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight.

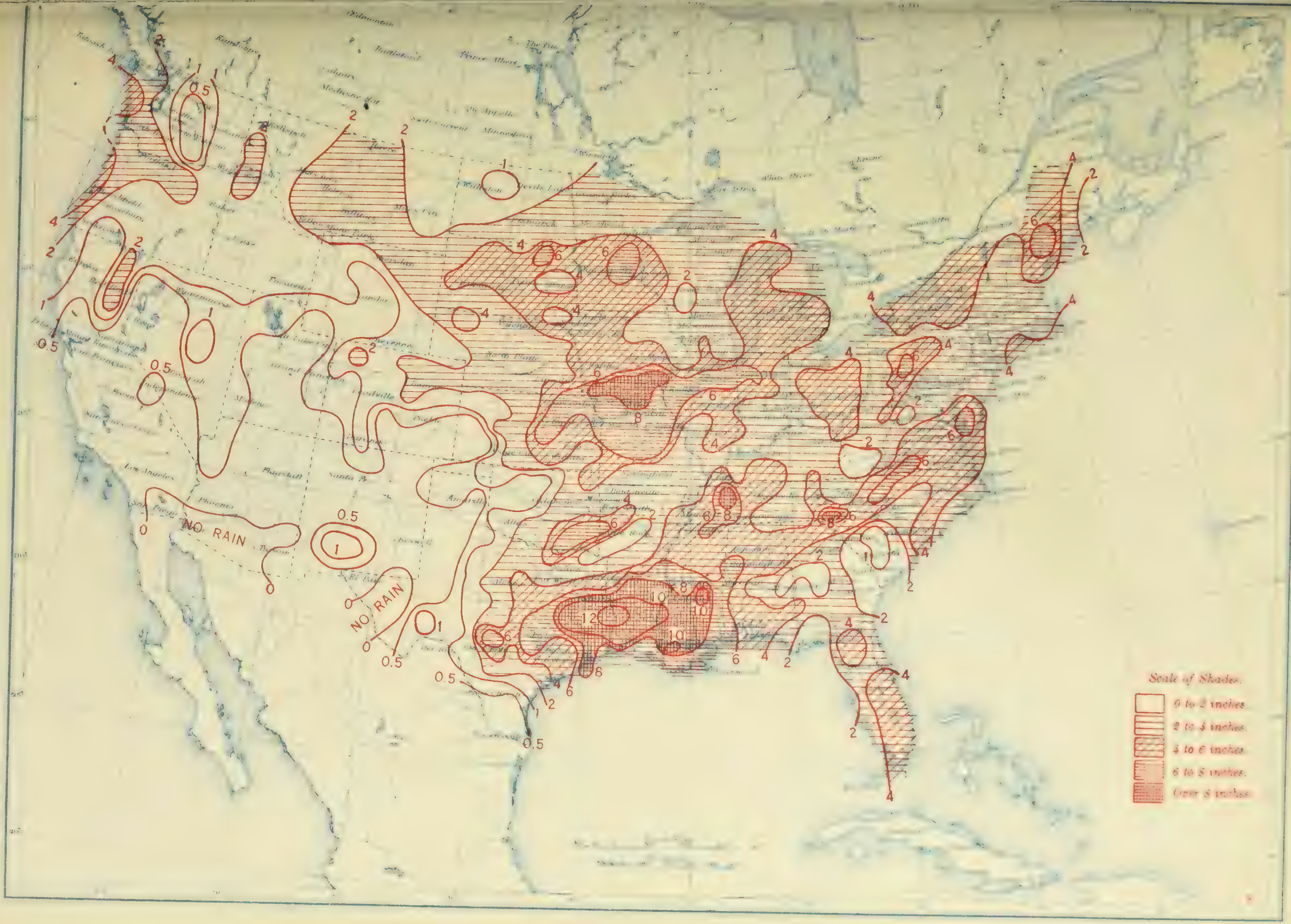
|||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

T. Trace, or less than 0.01 inch.

Daily temperatures for May, 1916.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek (near)	Maximum..	72	73	70	69	70	73	57	72	52	48	38	39	42	46	53	60	64	60	46	54	54	41	40	34	34	43	52	65	60	71	60	55.2
	Minimum .	44	29	32	39	32	33	19	28	30	11	15	11	14	20	19	23	30	39	33	30	25	21	22	26	29	30	23	31	30	29	34	26.8
Owyhee	Maximum.																							54	45	49	55	62	70	69	70	65	63.0
	Minimum																							28	32	35	36	34	33	38	35	33	30.1
San Jacinto	Maximum..	66	65	75	75	78	80	69	76	66	59	48	48	51	53	58	68																
	Minimum ..	22	29	29	39	36	34	30	37	36	19	22	15	25	29	20	26																
Humboldt Basin.																																	
Austin	Maximum				79		76	71		77			51	52	55	60	60	68	64	47	60	69	65	55	47	56	58	65	70	74	68	60	62.8
	Minimum ..				37		44	26		36			21	19	21	30	41	35	40	34	32	40	27	29	25	30	29	31	34	42	40	33	32.3
Battle Mountain	Maximum..																																
	Minimum ..	33	36	42	25	36	38	33	27	27	23	22	22	27	30	35	40	36	35	38	33	38	33	35	40	43	43	29	36	33	32	45	33.7
Clover Valley	Maximum..	69	71	75	79	76	78	78	79	66	66	53	52	54	54	60	65	69	67	58	64	69	54	50	41	45	54	62	69	74	66	61	63.8
	Minimum ..	26	32	33	34	42	40	33	29	41	16	20	21	20	29	20	31	37	44	37	54	34	30	33	31	33	33	29	32	44	49	36	33.0
Elko	Maximum..	70	71	75	78	74	75	70	60	59	57	57	58	53	55	59	64	69	69	59	56	73	70	57	45	51	55	65	73	75	72	65	64.2
	Minimum .	28	25	32	39	39	35	32	25	23	18	20	24	19	25	21	32	32	49	39	34	29	26	35	32	35	36	28	31	32	33	40	30.6
Eureka .	Maximum..	69	73	79	80	76	78	72	79	73	56	60	55	54	53	64	62	71	66	45	60	71	64	50	45	54	58	65	70	75	72	60	64.8
	Minimum .	26	30	40	46	51	40	27	37	42	17	21	22	17	21	26	38	33	36	32	45	37	30	31	26	27	28	30	32	38	33	34	32.0
Imlay	Maximum																																
	Minimum ..																																
Paradise Valley .	Maximum	73	76	82	81	79	75	64	74	64	61	52	55	57	62	65	68	71	61	60	67	67	55	48	46	51	56	69	73	72	65	62	64.9
	Minimum ..	25	30	34	42	47	33	20	29	38	16	20	20	17	25	24	34	27	44	36	30	29	25	32	31	22	29	26	31	33	24	34	29.3
Tecoma	Maximum..	70	73	80	82	86	85	84	86	70	60	60	58	55	57	67	72	74	74	68	70	72	68	63	50	52	60	64	70	75	80	78	69.8
	Minimum ..	28	30	32	40	43	41	42	44	41	15	24	20	17	20	22	24	33	42	44	41	38	31	30	35	30	34	31	30	33	39	37	32.6
Wells .	Maximum..	57	72	76	78	75	79	63	71	55	58	50	54	52	52	64	58	60	64	68	60	62	55	47	42	48	50	61	66	70	66	60	61.1
	Minimum ..	22	26	33	35	35	31	27	50	11	20	18	20	22	18	28	22	24	30	35	25	18	30	25	32	34	25	26	35	30	36	35	27.7
Winnemucca	Maximum..	74	79	84	82	80	75	65	76	56	63	54	54	58	61	68	69	72	56	61	70	70	59	48	43	55	61	68	74	74	67	64	65.8
	Minimum	29	36	39	49	49	38	29	33	31	26	26	29	20	34	29	37	31	45	38	33	35	29	34	32	38	39	32	38	44	35	41	34.8
Truckee Basin.																																	
Reno	Maximum .	76	80	82	80	74	64	68	70	59	68	59	55	61	63	71	66	71	57	65	70	69	64	49	47	55	64	70	70	68	65	62	65.9
	Minimum .	34	43	46	47	54	38	29	38	37	28	35	34	27	35	33	44	39	43	41	48	41	36	33	30	37	40	35	42	39	35	36	38.0
Fallen Leaf, Cal.	Maximum..	64	65	72	70	65	58	59	62	62	60	50	45	45	52	57	52	59	52	52	61	60	58	34	38	45	50	55	60	60	55	50	55.7
	Minimum ..	32	35	40	46	42	34	32	40	35	28	28	26	28	29	31	29	33	36	32	36	34	33	24	18	28	30	33	35	43	31	31	32.6
Tahoe, Cal.	Maximum..	61	60	67	67	67	60	53	57	51	56	56	50	49	53	56	56	57	54	55	57	60	56	50	35	43	54	52	60	59	55	50	55.4
	Minimum ..	25	30	31	35	40	34	22	27	34	24	26	24	24	25	27	34	32	30	29	33	28	25	22	21	29	28	28	30	29	27	25	28.3
Carson Basin.																																	
Fallon *	Maximum..	75	81	86	85	82	76	69	80	61	67	57	57	61	63	71	71	75	62	62	73	78	66	56	52	62	66	73	79	79	72	67	69.8
	Minimum ..	32	40	42	48	52	40	31	35	48	26	33	34	26	32	28	42	40	54	43	42	40	32	42	30	37	36	33	40	38	35	41	37.8
Gardnerville	Maximum..		76	78	77	76			70	66	66	65	59	57		68	67	69	66	64			72	63		57							67.6
	Minimum ..		21	40	41	52			28	47	26	28	26	25		27	43	33	48	37			33	35		27							34.3
Lahontan	Maximum..	82	85	88	89	84	76	72	80	74	66	66	57	64	66	70	78	81	65	65	72	80	65	60	52	64	74	77	78	76	73	68	72.5
	Minimum	39	48	50	54	57	54	29	45	33	29	34	35	30	39	34	47	43	52	49	45	43	41	43	31	40	39	39	50	41	41	40	41.7
Walker Basin																																	
Mina.	Maximum																																
	Minimum ..																																
Yerington.	Maximum..		72	84	84	80	71	69	78	62	65	66	55	60	69	71	70	75	68	66	71	77	66	57	52	65	65	71	79	76	74	72	69.7
	Minimum ..		28	42	41	50	30	32	33	47	35	22	31	30	23	30	42	36	32	32	40	36	29	36	29	38	38	34	46	35	36	38	35.0
Bridgeport, Cal.	Maximum..	67	72	74	73	69	66	67	66	62	64	62	50	55	58	65	60	65	59	55	58	63	67	53	45	54	62	65	64	63	60	57	61.9
	Minimum ..	19	25	28	28	41	47	27	26	44	29	30	21	17	19	22	38	25	41	33	32	30	20	26	16	21	22	26	30	25	23	25	27.6
Colorado Basin.																																	
Las Vegas..	Maximum..	81	90	93	97	96	93	94	96	94	88	87	79	76	80	88	88	89	88	79	83	92	92	83	75	77	82	88	89	92	87	95	87.5
	Minimum ..	40	48	49	50	53	53	55	53	51	49	48	56	56	40	43	62	60	57	55	45	52	50	50	45	40	45	47	47	45	47	55	49.9
Logan .	Maximum..	83	91	95	98	99	98	92	101	99	87	91	85	85	88	83	88	89	91	80	82	92	91	89	73	78	85	91	94	94	93	90	95.3
	Minimum ..	46	41	51	49	55	58	56	50	55	61	46	47	47	40	52	47	62	52	58	49	50	60	40	49	37	40	48	45	51	49	48	49.6
Pioche	Maximum..	69	75	76	77	78	78	76	78	70	68	70	71	65	53	72	70	75	65	70	65	68	75	68	59	48	65	71	76	74	74	72	70.0
	Minimum ..	36	40	40	47	53	53	45	45	38	31	40	34	35	31	30	37	47	39	38	39	40	44	39	35	28	33	41	46	50	49	42	40.2
Minor Basins.																																	
Cherry Creek	Maximum..	65	65	75	78	83	80	68	85	68	69	60	50	44	50	61	75	70	71	48	60	68	60	52	41	48	55	61	68	74	65	64	63.9
	Minimum ..	27	36	34	42	19	55	36	31	45	26	24	30	26	22	21	32	33	42	34	39	34	38	32	29	28	32	33	34	40	37	34	34.0
Columbia	Maximum..	71	78	83	83	81	79	77	81	74	69	64	60	57	64	68	68	73	74	55	69	79	69	62	52	58	65	73	77	78	74	70	70.5
	Minimum ..	37	36	43	48	49	50	37	42	44	34	35	34	28	26	33	48	37	41	37	37	42	39	36	27	30	32	38	44	43	41	43	38.3
Gerlach.	Maximum..	78	80	78	85	80	74	68	73	71	69	63	67	68	61	72	70	73	70	65	70	72	68	60	49	56	63	71	74	75	70	64	69.6
	Minimum ..	34	38	36	39	43	38	15	32	30	24	26	27	28	38	26	35	36	40	36	38	42	33	34	30	34	33	33	41	44	37	41	34.2
Lida	Maximum..	71	77	77	78	75	73	74	74	77	68	65	58	58	64	65	64	78	58	69	68	70	65	50	53	64	69	77	70	73	68	65	68.2
	Minimum ..	35	36	46	46	43	35	38	35	39	33	38	34	30	29	32	40	37	34	35	37	33	38	23	29	33	41	45	40	42	45	36	36.7
McDermitt	Maximum..	74	76	80	80	77	72	60	72	64	58	50	50	55	59	66	67	72	62	58	66	65	53	46	42	51	59	65	72	70	64	59	63.4
	Minimum ..	32	35	41	41	50	38	22	29	33	19	20	18	21	23	31	43	35	42	37	35	33	29	34	30	35	36	34	36	37	27	34	32.7
McGill	Maximum..	68	72	77	81	78	77	79	80	73	70	60	60	54	58	61	69	70	67	58	64	72	67	59	43	52	58	66	71	75	72	67	67.0
	Minimum ..	28	36	34	53	52	51	42	41	52	49	26	30	28	25	24	33	40	46	36	41	36	37	35	29	30	28	31	38	45	40	38	37.2
Millett	Maximum..	70	75	81	82	80	80	76	80	67	68	60	58	55	61	65	65	71	69	57	69	76	65	49	50	57	62	70	72	78	71	64	67.8
	Minimum ..	25	25	36	40	40	46	39	33	46	21	29	25	23	17	20	35	35	44	36	34	31	35	31	26	32	27	30	38	35	40	33	32.5
Oasis Ranch	Maximum..	74	82	87	86	85	83	82	85	78	75	65	65	62	69	75	70	75	76	66	72	83	75	69	59	57	72	70	80	85	79	72	74.6
	Minimum ..	32	37	31	47	52	45	37	37	40	33	37	35	29	28	34	44	36	41	37	38	34	40	32	30	26	31	36	42	40	40	38	36.7
Rebel Creek	Maximum..	73	76	82	81	78	72	68	72	69	61	54	53	59	61	68	66	74	65	59	67	66	56	55	45	53	60	68	74	71	69	60	65.6
	Minimum ..	34	15	43	48	50	43	24	46	37	22	24	27	27	32	33	40	34	41	36	36	37	31	35	31	35	38	35	42	38	33	35	35.9
Rhyolite	Maximum..	79	85	87	91	90	92	88	83	79	82	77	78	75	90	85	77	80	79	76	78	84	83	77	59	58	73	79	80	82	72	65	79.5
	Minimum ..	41	58	61	50	56	48	45	43	38	40	42	38	35	52	49	47	54	54	40	41	44	45	44	33	31	37	37	46	45	42	45	44.5
Sand Pass	Maximum..	78	83	86	81	80	65	66	71	59	67	57	57	61	63	70	68	74	64	68	74	73	62	55	49	56	65	70	70	72	67	64	67.6
	Minimum ..	36	43	46	51	55	40	25	36	39	26	29	34	28	36	34	44	39	40	38	43	45	34	36	31	39	36	38	45	46	38	39	38.4
Searchlight	Maximum..	74	80	86	90	87	88	87	91	85	75	80	80	72	75	76	80	82	80	71	75	85	84	79	63	70	76	81	83	83	82	79	80.0
	Minimum ..	50	52	62	64	59	63	55	61	65	57	57	56	50	52	52	52	56	55	47	44	57	56	62	40	41	48	60	56	56	52	51	54.5
Sharp.	Maximum..	75	70	80	81	78	78	75	75	77	60	56	58	62	64	62	66	71	70	62	65	76	69	66	60	58	63	70	74	75	73	70	69.0
	Minimum ..	25	37	39	44	37	39	42	47	49	27	30	26	28	29	26	33	42	42			36	35	33	25	26	26	33	50	52	40	50	36.1
Sulphur	Maximum..	76	78	84	82	79	73	66	74	70	64	63	58	60	62	68	69	72	68	68	71	70	63	60	49	54	67	70	75	73	67	64	68.3
	Minimum ..	38	38	43	47	54	53	30	37	43	26	30	32	24	37	32	37	37	41	35	40	40	33	36	33	37	35	36	39	44	35	39	37.5
Tonopah	Maximum..	67	72	75	77	75	75	71	75	65	64	56	53	51	57	63	62	65	67	52	63	74	61	53	45	53	58	65	70	72	66	60	63.9
	Minimum ..	42	48	55	57	52	47	37	48	37	33	32	30	27	37	41	41	41	38	34	39	45	37	28	22	30	34	39	48	50	43	38	39.7

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.



Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
NO RAIN
NO RAIN

[illegible]
UNIVERSITY OF ILLINOIS
URBANA

INE Stack

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

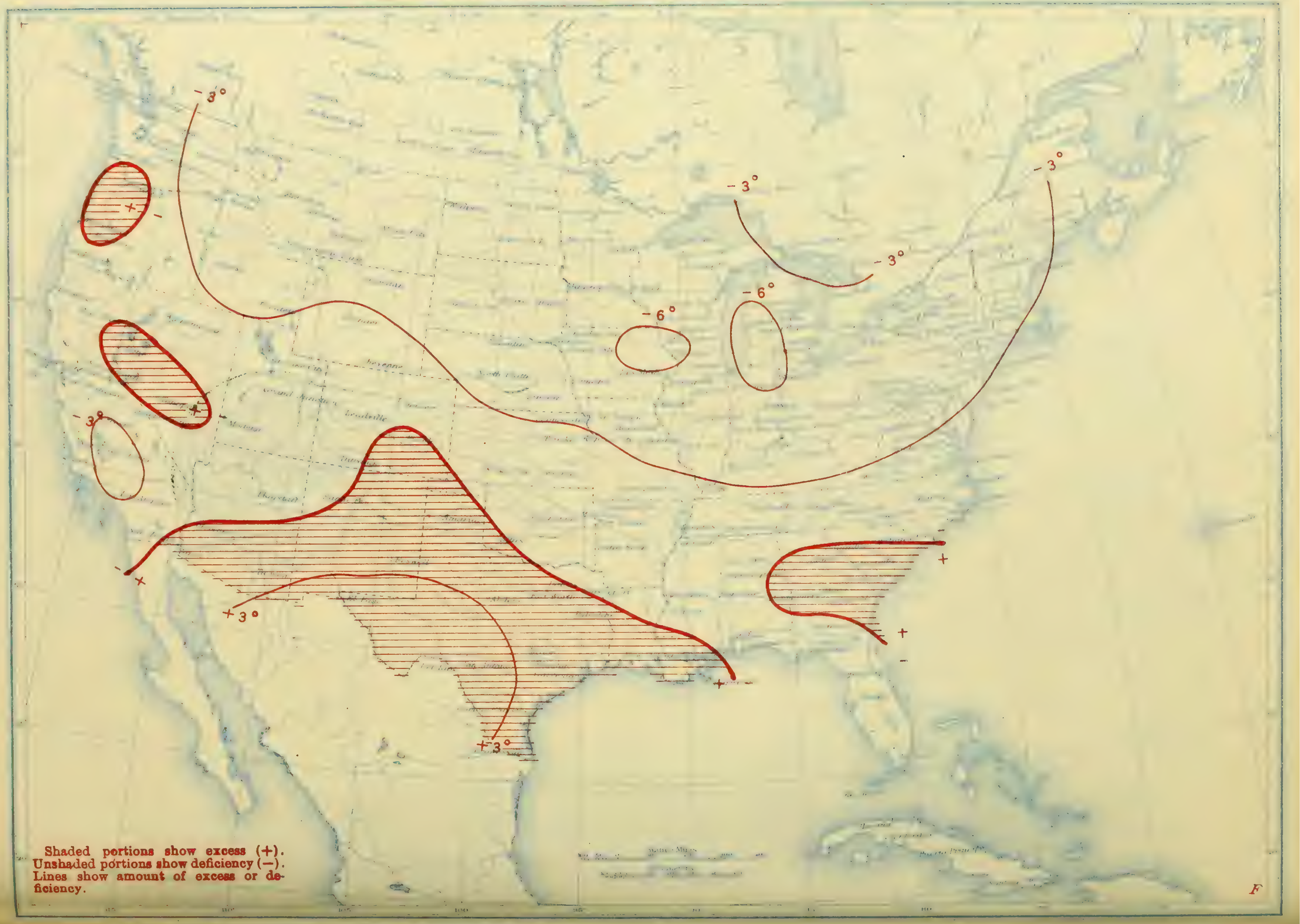
NEVADA SECTION

JUNE, 1916

BY
HENRY F. ALCIATORE
METEOROLOGIST.

RENO, NEVADA
WEATHER BUREAU OFFICE
JULY 18, 1916.

Departure of the Mean Temperature from the Normal, June, 1916.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

F

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALCIATORE, Meteorologist.

Vol. XXXI. Reno, Nevada, June, 1916. No. 6.

GENERAL SUMMARY.

June was sunny, cool, and dry. The mean temperature was considerably below the normal in the northern and central counties, and somewhat above in a few localities in Washoe and Humboldt counties, and in the southern districts. The most noteworthy climatic feature was the occurrence of freezing and lower temperatures over large areas in the northern and central districts during an unusually late and unseasonably cold spell of several days' duration which began on the 20th; at Paradise Valley, a minimum temperature of 19° (the lowest for the State) was recorded on the 21st. There was but one period of warm weather in the northern half of the section, namely, from the 15th to the 18th, during which a maximum temperature of 102° was recorded at Battle Mountain; in the southern half, summer weather set in on the 3d, and the temperature has remained high since; Logan reported a maximum of 112° on the 16th.

The rainfall was the lightest recorded in the last six years. A few places in Washoe, Humboldt, Elko, Eureka, and White Pine counties received amounts ranging from less than one-tenth to more than four-tenths inch, but elsewhere the month was rainless. The average fall was but 9 per cent of the normal, and 38 per cent of that of June a year ago. Snow fell in some parts of White Pine, Eureka, Humboldt, and Washoe counties, the amounts ranging from a trace to three inches.

The mean relative humidity, ranging from 24 per cent at Tonopah to 40 at Reno, was from 3 to 9 per cent below normal.

June is normally a sunny month, but this year the amount of sunshine received was greater than ever; at Winnemucca, the percentage of the possible amount was 94, or about 12 per cent more than the normal amount.

Viewed from an agricultural standpoint, the weather, generally speaking, was not favorable; it was too cold for the hay, grain, and potato crops, and too dry for the ranges, although cattle and sheep were in fair condition at the close of the month, despite a growing scarcity of range feed. The fruit crops were again damaged by frosts, except in the extreme southern counties.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 39 stations, was 62.5°. The mean for the 26 stations having ten or more years record was 2.2° below the normal. The highest recorded was 112°, at Logan, on the 16th; the lowest was 19°, at Paradise Valley, on the 21st. The greatest daily range was 62°, at Wells, on the 23d. The highest monthly mean was 79.6°, at Logan; the lowest was 48.1°, at Gold Creek.

PRECIPITATION.

The average for 49 stations reporting was 0.05 inch. For the 27 stations having ten or more years record, the mean was 0.48 inch below the normal. The average amount at 3 stations in the Columbia Basin was 0.08 inch; at 15 stations in the Humboldt Basin, 0.02 inch; at 9 stations in the Truckee Basin, 0.06 inch; at 5 stations in the Carson Basin, a trace; at 5 stations in the Walker Basin, 0.01 inch; at 3 stations in the Colorado Basin, 0.02 inch; at 19 stations in the minor basins, 0.07 inch. The greatest monthly fall was 0.18 inch at Vya; there was none at 27 stations. The average number of days with precipitation was none.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric Pressure (sea level).			Mean relative humidity		Wind.			
							Max. velocity.		
	Mean.	Highest.	Lowest.	5 a. m.	5 p. m.	Average hourly velocity.	Miles per hour.	Direc.	Date.
Reno	29.87	30.18	29.60	59	21	7.6	36	w	19
Winnemucca	29.91	30.17	29.58	53	18	6.6	29	nw	19
Tonopah	29.83	30.05	29.54	35	14	8.9	36	nw	20

SUNSHINE AND CLOUDINESS.

At Reno, 86 per cent of the possible sunshine was recorded; at Winnemucca, 94 per cent; at Tonopah, 93 per cent. For the State, the average number of clear days was 21; partly cloudy, 7; cloudy, 2.

MISCELLANEOUS PHENOMENA.

(Dates of.)

Brisk Winds.—4, 8, 11, 12, 17, 18, 19, 20, 26, 28, 29.
Solar Halos.—None.
Lunar Halos.—None.
Sleet.—21.
Thunderstorms.—1, 18, 19, 27.
Hail.—None.

COMPARATIVE DATA FOR JUNE.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	70.0	110	30	0.22	0	2	18	7	5	s.
1890	61.5	109	24	0.05	0.2	1	22	7	1	s.
1891	59.8	97	8	1.18	0.5	5	14	8	8	w.
1892	62.8	110	22	1.06	0.9	4	17	8	5	w.
1893	63.8	100	18	0.04	T.	0	28	2	0	sw.
1894	57.8	92	20	1.12	1.0	5	12	10	8	sw.
1895	62.9	109	14	0.13	0.1	1	20	6	4	sw.
1896	68.7	117	25	0.22	0	2	19	6	5	sw.
1897	62.8	112	20	0.37	0.1	3	16	8	6	w.
1898	65.0	104	20	0.19	T.	1	20	7	3	w.
1899	63.7	103	21	0.60	0.2	2	22	4	4	w.
1900	67.7	111	28	0.32	0.1	2	19	5	6	w.
1901	59.1	99	21	0.15	0.2	1	19	8	3	sw.
1902	66.3	116	20	0.04	0.2	0	24	3	3	sw.
1903	66.5	113	28	0.45	T.	3	17	8	5	sw.
1904	63.6	106	11	0.04	T.	1	21	5	4	sw.
1905	61.9	101	24	0.11	T.	1	21	5	4	e.
1906	60.2	115	20	0.59	T.	2	16	9	5	w.
1907	56.9	111	18	1.09	1.4	5	13	9	8	w.
1908	60.8	116	18	0.47	0.6	3	17	9	4	w.
1909	65.5	112	24	0.28	0	1	19	7	4	w.
1910	65.4	108	23	0.05	0	1	23	5	2	s.
1911	62.8	109	20	0.74	0	4	14	10	6	w.
1912	63.6	112	23	0.59	0	3	17	7	6	w.
1913	61.8	106	28	1.99	T.	8	11	9	10	w.
1914	62.0	114	12	1.26	0.7	6	15	8	7	w.
1915	63.3	109	23	0.13	T.	1	23	5	2	w.
1916	62.5	112	19	0.05	0.1	0	21	7	2	sw.
Entire period	63.2	117	8	0.48	0.2	2	18	7	5	w.

LATE REPORTS.

May, 1916.—Hylton, total precipitation, 1.49 inches; total snowfall, 6.0 inches; number of days with precipitation, 3; clear, 22; partly cloudy, 4; cloudy, 5.

Metropolis, total precipitation, 1.05 inches; total snowfall, 6.0 inches; number of days with precipitation, 4; clear, 15; partly cloudy, 7; cloudy, 9.

Climatological data for June, 1916.

Stations.	Counties.	Elevation, feet.	Temperature: Length of record, years.	Temperature: Mean.	Temperature: Departure from the normal.	Temperature: Highest.	Temperature: Date.	Temperature: Lowest.	Temperature: Date.	Temperature: Greatest daily range.	Precipitation: Length of record, years.	Precipitation: Total.	Precipitation: Departure from the normal.	Precipitation: Greatest in 24 hours.	Precipitation: Total snowfall (unmelted).	Number of days: With precipitation (0.01 inch or more).	Number of days: Clear.	Number of days: Partly cloudy.	Number of days: Cloudy.	Prevailing direction of the wind.	Observers.
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	3	48.1	.....	77	15	20	21	52	3	0.05	....	0.05	0	1	19	10	1	nw.	U. S. Forest Service.
Jack Creek**	..do	6,300	...	...	...	...	...	...	...	...	3	0.10	....	0.10	0	1	21	9	0	......	C. E. Butler.
Owyhee	..do	5,400	5	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...	...	...	Indian Service.
San Jacinto	..do	5,200	11	56.2	-0.8	92	17	23	22	51	11	0.10	-1.59	0.10	0	1	18	8	4	n.	Utah Construction Co.
Humboldt Basin.																					
Arthur	Elko	6,500	...	...	...	...	...	...	...	...	6	0.00	0.95	0.00	0	0	30	0	0	......	Isaac Woodhouse.
Austin	Lander	6,594	27	60.3	+0.1	89	†15	30	22	51	27	0.00	-0.72	0.00	0	0	16	13	1	......	Forest Service.
Battle Mountain	..do	4,513	45	64.7	1.2	102	†15	28	21	59	47	0.00	-0.51	0.00	0	0	18	8	4	......	Southern Pacific Co.
Beowawe	Eureka	4,695	45	60.8	-6.4	96	16	25	22	55	47	0.00	-0.42	0.00	0	0	26	4	0	......	Do.
Clover Valley**	Elko	6,000	15	...	...	...	...	...	...	...	23	...	...	...	...	...	...	...	...	...	I. F. Wiseman.
Elko	..do	5,063	45	59.4	-3.3	93	†16	26	22	52	46	0.00	-0.90	0.00	0	0	19	9	2	sw.	Western Pacific Co.
Eureka	Eureka	6,837	18	59.8	-1.0	90	16	26	21	48	20	0.18	-0.76	0.18	0.5	1	13	14	3	n.	Clay Simms.
Golconda	Humboldt	4,392	37	62.6	3.0	95	†16	30	21	42	39	0.00	-0.56	0.00	0	0	14	8	8	w.	Southern Pacific Co.
Hylton**	Elko	7,081	...	...	...	...	...	...	...	...	6	0.00	....	0.00	0	0	29	1	0	......	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	3	59.8	-7.1	97	17	32	21	47	3	0.00	-0.22	0.00	0	0	23	6	1	......	Southern Pacific Co.
Metropolis §	Elko	5,661	...	...	...	...	...	...	...	...	7	...	...	...	...	...	...	...	...	...	L. F. Hatch.
North Fork	..do	6,500	...	...	...	...	...	...	...	...	7	0.05	....	0.05	0	1	14	7	9	w.	Chas. Pratt.
Paradise Valley	Humboldt	4,500	3	56.8	......	98	16	19	21	55	7	T.	....	T.	T.	0	18	7	5	sw.	R. M. Taylor.
Potts	Nye	6,002	23	56.3	-5.5	93	15	23	22	54	25	0.00	-0.40	0.00	0	0	13	10	7	n.	Miss Maud Potts.
Tecoma	Elko	4,812	38	59.9	-2.9	97	18	21	22	52	40	0.00	-0.60	0.00	0	0	16	12	2	......	Southern Pacific Co.
Wells	..do	5,631	44	57.3	-6.9	92	17	20	23	62	47	0.10	-0.41	0.10	0	1	18	10	2	......	Do.
Winnemucca	Humboldt	4,344	39	61.6	-1.7	98	16	29	22	44	47	0.00	-0.61	0.00	0	0	24	5	1	ne.	U. S. Weather Bureau.
Truckee Basin.																					
Franktown §	Washoe	5,054	1	58.8	1.2	92	16	33	†12	46	1	T	-0.44	T.	T.	0	...	...	...	...	Agent V. & T. Ry.
Glenbrook	Douglas	6,240	7	...	...	...	...	...	...	...	7	...	...	...	...	...	...	...	...	...	C. C. Henningsen.
Marlette Lake**	..do	7,900	...	...	...	...	...	...	...	...	3	0.30	....	0.30	3.0	1	19	3	8	sw.	V. & G. H. Water Co.
Reno	Washoe	4,532	29	61.8	+0.8	96	16	34	2	44	29	0.11	-0.13	0.11	0	1	22	7	1	w.	U. S. Weather Bureau.
Bijou, Cal.		6,230	...	...	...	...	...	...	...	...	7	T.	....	T.	0	0	18	11	1	w.	Chas. Young.
Fallen Leaf, Cal.		6,400	4	54.5	......	80	15	29	1	37	4	T.	....	T.	0	0	15	15	0	s.	W. W. Price.
Hobart Mills, Cal.		5,900	...	...	...	...	...	...	...	...	7	0.04	....	0.04	T.	1	21	9	0	s.	S. E. Patterson.
McKinney, Cal.		6,225	...	...	...	...	...	...	...	...	7	0.05	....	0.05	T.	1	28	2	0	sw.	Fred Jensen.
Tahoe, Cal.		6,230	8	50.8	......	81	16	25	1	43	8	T.	....	T.	T.	0	22	6	2	w.	Mrs. Emma C. Smith.
Tallac, Cal.		6,230	...	...	...	...	...	...	...	...	7	0.04	....	0.04	0	1	20	10	0	sw.	Willis D. Sloan.
Carson Basin.																					
Fallon	Churchill	3,965	22	63.6	-1.0	98	16	33	1	48	22	0.00	-0.28	0.00	0	0	25	4	1	w.	U.S. Experiment Station.
Gardnerville	Douglas	4,830	25	57.6^{j}	-1.0	88^{j}	16	28^{j}	1	48^{j}	26	0.00	-0.26	0.00	0	0	...	...	...	w.	Forest Service.
Lahontan **	Churchill	4,200	4	66.8	......	99	15	40	†1	43	6	T.	....	T.	0	0	25	5	0	w.	U.S. Reclamat'n Service.
Markleeville, Cal.		5,525	...	...	...	...	...	...	...	...	7	0.00	....	0.00	0	0	23	6	1	s.	Mrs. Mary Thornburg.
Woodfords, Cal. **		5,634	...	...	...	...	...	...	...	...	7	T.	....	T.	0	0	20	7	3	sw.	Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	9	66.6	-3.0	98	16	40	1	44	20	0.00	-0.22	0.00	0	0	30	0	0	......	Southern Pacific Co.
Smith	Lyon	4,800	...	...	...	...	...	...	...	...	8	0.02	....	0.02	0	1	21	7	2	sw.	C. M. Carter.
Thorne §	Mineral	4,200	3	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	Southern Pacific Co.
Yerington §	Lyon	4,375	7	63.6	-0.7	98	16	28	2	51	7	0.01	-0.36	0.01	0	1	27	2	1	sw.	High School.
Bridgeport, Cal.		6,500	3	53.2	......	85	15	22	1	47	5	0.00	....	0.00	0	0	21	6	3	w.	Geo. Delury, jr.
Shields Ranch, Cal. **		5,300	...	...	...	...	...	...	...	...	7	0.00	....	0.00	0	0	14	14	2	......	Frank W. Chichester.
Colorado Basin.																					
Indian Springs §**	Clark	3,136	3	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	Ira McFarland.
Las Vegas	..do	2,033	14	78.6	+2.9	107	16	47	2	47	14	0.00	-0.14	0.00	0	0	26	3	1	s.	C. P. Squires.
Logan §	..do	1,355	9	79.6	-1.6	112	16	42	2	53	17	0.00	-0.10	0.00	0	0	25	5	0	......	Experiment Farm.
Pioche	Lincoln	6,100	18	66.0	+1.0	93	16	35	22	45	18	0.05	-0.32	0.05	0	1	23	7	0	......	M. L. Lee.
Minor Basins.																					
Belmont	Nye	8,540	16	56.5	-4.5	85	†16	27	†21	40	16	0.00	0.38	0.00	0	0	16	14	0	ne.	Monitor-Belmont M. Co.
Cherry Creek	White Pine	6,450	8	61.0	......	92	†17	27	22	46	8	0.14	....	0.13	0	2	25	3	2	w.	J. H. Leishman.
Columbia**	Esmeralda	5,700	9	65.8	......	94	15	35	22	43	11	0.00	....	0.00	0	0	21	9	0	se.	A. Booth.
Duck Flat	Washoe	4,725	...	...	...	...	...	...	...	...	2	0.00	....	0.00	0	0	21	9	0	nw.	H. J. Muller.
Francis (near)	..do	5,350	...	...	...	...	...	...	...	...	2	0.18	....	0.14	0	2	28	2	0	sw.	Geo. W. Barnard.
Gerlach	..do	3,931	4	63.1	......	99	15	31	21	55	4	0.00	....	0.00	0	0	25	0	5	sw.	Western Pacific Co.
Jungo	Humboldt	4,165	...	...	...	...	...	...	...	...	3	0.00	....	0.00	0	0	21	6	3	sw.	Do.
Lida §	Esmeralda	6,037	4	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	L. F. Detwiler.
McDermitt	Humboldt	4,700	5	57.7	-7.3	94	16	25	20	41	29	0.16	-0.66	0.12	T.	2	18	9	3	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	6	62.6	-3.4	92	16	32	22	49	6	0.29	-0.13	0.29	T.	1	22	6	2	n.	R. E. Middagh.
Millett	Nye	5,040	8	59.8	......	90	15	29	2	49	9	0.00	....	0.00	0	0	19	10	1	......	Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	4	65.7	+3.6	96	†15	35	18	52	4	0.00	-0.29	0.00	0	0	23	7	0	......	Arthur L. Stewart.
Pahrump **	Nye	2,608	3	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	F. A. Buol.
Quinn Riv. Ranch **	Humboldt	4,850	14	61.6^{c}	+0.5	100	16	22^{c}	22	57^{c}	15	0.00	-0.53	0.00	0	0	...	...	...	n.	F. M. Payne.
Rebel Creek	..do	4,300	4	60.3	......	95	17	28	21	42	5	0.14	....	0.14	0	1	10	19	1	n.	Fred Whitaker.
Rhyolite	Nye	3,680	3	68.8	......	97	18	37	1	48	3	0.00	....	0.00	0	0	25	5	0	s.	Secretary School Board.
Sand Pass **	Washoe	4,198	3	64.0	......	95	15	35	†1	41	3	T.	....	T.	0	0	16	12	2	nw.	R. R. Mott.
Searchlight	Clark	3,445	3	78.8	......	103	16	52	1	33	3	0.00	....	0.00	0	0	29	1	0	s.	C. L. Aug. Mahn.
Sharp	Nye	6,200	3	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	F. A. Sears.
Sulphur	Humboldt	4,044	3	61.9	......	98	15	29	21	49	3	T.	....	T.	0	0	17	11	2	w.	Western Pacific Co.
Tonopah	Nye	6,090	11	64.6	......	87	16	34	21	29	11	0.00	....	0.00	0	0	23	7	0	w.	U. S. Weather Bureau.
Vya	Washoe	5,500	...	...	...	...	...	...	...	...	3	0.48	....	0.30	0.1	3	19	7	4	sw.	L. A. Mariette.
For the State			...	62.5	-2.2	112	16	19	21	62	....	0.05	-0.48	0.30	0.1	0	21	7	2	sw.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Jack Creek, Tuscarora; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of Lahontan, Hazen; of Woodfords, Cal., Sheridan, Nev.; of Shield's Ranch, Coleville, Cal.; of Indian Springs, Las Vegas; of Columbia, Goldfield; of Duck Flat, Gerlach; of Oasis Ranch, Oasis, Cal.; of Pahrump, Shoshone, via Tecopa, Cal.; of Quinn River Ranch, Amos; of Sand Pass, Sheepshead.

Reference letters, ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing, for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for June, 1916.

Stations.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Columbia Basin.																																
Gold Creek (near)																																
Jack Creek				T															.05													0.05
Owyhee																			T	T	T								.10			0.10
San Jacinto	T			T																T	.10							T				0.10
Humboldt Basin.																																
Arthur																																
Austin																																0.00
Battle Mountain																																0.00
Beowawe																																0.00
Clover Valley																																0.00
Elko																																0.00
Eureka	.18																															0.18
Golconda																																0.00
Hylton																																0.00
Imlay																																0.00
Metropolis |||																																
North Fork																																
Paradise Valley																				.05												0.05
Potts																	T	T	T	T				T								T.
Tecoma																																0.00
Wells																																0.00
Winnemucca***																				.10	T											0.10
Truckee Basin.																																
Franktown																																0.00
Glenbrook																					T											T
Marlette Lake |||																																
Reno ***																					.30											0.30
Bijou, Cal											T	T								T	.11											0.11
Fallen Leaf, Cal																					T											T
Hobart Mills, Cal																					T											T
McKinney, Cal																				T	.04											0.04
Tahoe, Cal																					.05											0.05
Tallac, Cal		T																		T										T		T
Carson Basin.																																
Fallon																				.04												0.04
Gardnerville																																0.00
Lahontan																																0.00
Markleeville, Cal																		T														T
Woodfords, Cal			T																													T
Walker Basin.																																
Mina																																0.00
Smith																																0.00
Thorne																				.02												0.02
Yerington																																
Bridgeport, Cal																					.01											0.01
Shields Ranch, Cal																																0.00
Colorado Basin.																																
Indian Springs																																0.00
Las Vegas																																0.00
Logan																																0.00
Pioche																	.05															0.05
Minor Basins.																																
Belmont |||																																0.00
Cherry Creek	.13																				.01											0.14
Columbia																																0.00
Duck Flat																																0.00
Francis (near)																	.04				.14											0.18
Gerlach																																0.00
Jungo																																0.00
Lida																																
McDermitt																		.04	T	T						.12						0.16
McGill	.29									T										T												0.29
Millett																																0.00
asis Ranch																																0.00
Pahrump																																
Quinn River Ranch																																0.00
Rebel Creek																		.14		T												0.14
Rhyolite																																0.00
and Pass																																
Searchlight																				T												T.
harp																																0.00
ulphur																																0.00
onopah***																													T			T.
ya ||||																	.30			.08									.10			0.48

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of bservation.

*** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight.

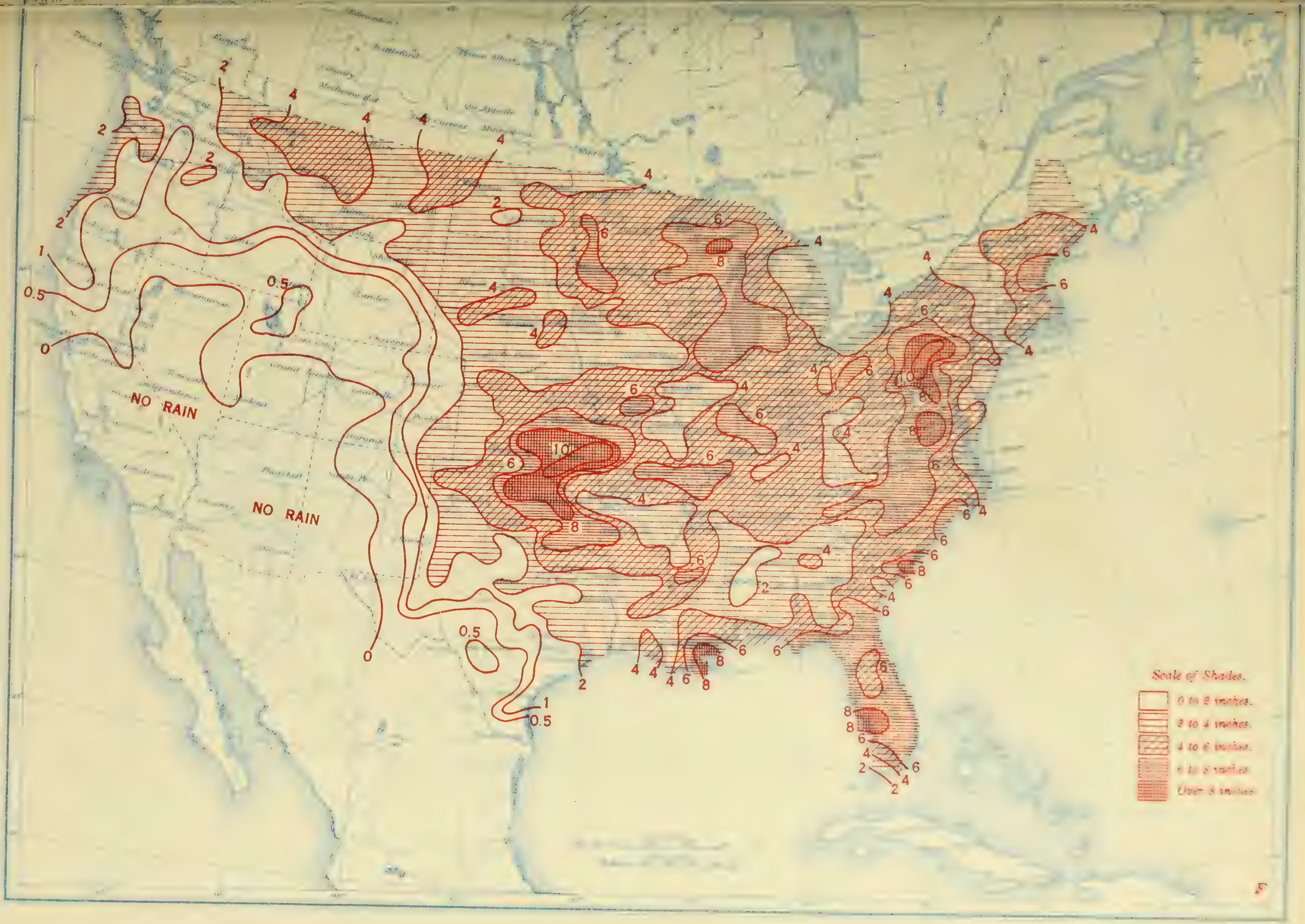
|||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

T. Trace, or less than 0.01 inch.

Daily temperatures for June, 1916.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek (near)	Maximum	50	58	67	70	70	62	70	72	60	63	53	63	67	75	77	76	76	69	54	42	39	53	74	67	62	65	72	70	61	62	....	64.0
	Minimum	28	27	32	30	32	30	29	32	30	29	30	29	34	30	35	39	55	35	34	27	20	22	22	31	43	41	41	35	31	34	....	32.2
Owyhee	Maximum																																
	Minimum																																
San Jacinto	Maximum	58	69	70	75	63	70	75	83	79	66	65	70	76	81	82	90	92	88	71	61	50	68	80	85	82	86	90	80	70	85	....	75.3
	Minimum	32	28	29	35	42	37	34	39	46	37	26	32	30	34	38	39	47	53	44	35	25	23	30	41	50	46	50	43	37	34	....	37.2
Humboldt Basin.																																	
Austin	Maximum	70	72	...	...	77	73	81	84	80	76	76	80	80	87	89	89	86	80	75	69	56	73	82	80	80	75	84	77	79	79	....	78.5
	Minimum	33	35	...	...	40	39	42	50	43	40	40	42	46	55	56	57	45	40	40	35	31	30	31	46	45	48	49	41	35	45	....	42.1
Battle Mountain	Maximum	74	86	92	86	80	80	85	92	88	78	80	84	95	101	102	102	85	82	72	70	70	84	90	92	95	87	88	81	82	...	....	85.6
	Minimum	36	35	33	39	40	45	44	58	43	37	48	45	40	50	60	62	54	45	39	39	28	39	44	44	45	54	48	40	40	40	....	43.8
Clover Valley	Maximum																																
	Minimum																																
Elko	Maximum	66	73	76	78	74	72	82	84	82	75	76	77	83	85	89	93	93	85	81	71	59	71	80	84	87	89	89	82	79	85	....	80.0
	Minimum	40	32	32	37	36	32	34	32	35	38	31	34	38	55	49	44	52	52	40	34	28	26	33	40	44	43	46	46	44	34	....	38.7
Eureka	Maximum	63	70	73	78	75	72	81	88	79	75	76	81	82	86	88	90	89	78	80	69	68	72	81	83	82	86	87	80	77	83	....	79.1
	Minimum	32	32	36	38	41	34	38	45	43	40	45	37	42	43	47	52	41	45	40	40	26	28	37	44	42	44	50	42	47	45	....	40.5
Imlay	Maximum	64	74	80	82	83	77	78	80	81	80	79	85	88	92	91	95	97	87	70	65	67	69	70	72	70	71	72	75	77	78	....	78.3
	Minimum	35	40	50	51	38	43	40	41	42	43	42	41	48	45	48	58	62	50	40	33	32	33	34	36	34	35	34	36	38	40	....	41.4
Paradise Valley	Maximum	64	71	77	81	74	74	79	85	76	72	72	78	83	88	91	98	92	79	72	58	60	70	81	82	81	81	81	71	71	79	....	77.1
	Minimum	29	32	38	36	36	35	34	41	41	28	25	29	33	43	43	43	55	49	47	24	19	22	35	44	42	40	40	32	35	40	....	36.3
Tecoma	Maximum	67	70	75	82	80	75	78	85	81	82	77	78	83	90	92	95	94	97	93	72	58	52	80	87	90	90	90	92	86	85	....	81.9
	Minimum	31	34	35	37	36	35	34	37	32	37	29	30	38	42	41	43	52	48	44	34	32	21	31	38	40	44	45	47	48	42	....	37.9
Wells	Maximum	60	68	66	73	75	70	70	75	70	78	86	88	86	85	80	90	92	80	75	60	74	80	82	84	84	86	88	78	70	82	....	77.8
	Minimum	35	35	36	38	35	30	30	30	35	36	38	38	34	32	44	47	42	46	52	38	30	26	20	28	40	42	38	44	44	40	....	36.8
Winnemucca	Maximum	64	74	79	82	77	75	83	87	80	74	75	80	86	90	94	98	94	75	77	60	61	72	84	84	82	85	81	74	71	81	....	79.3
	Minimum	40	38	45	40	48	38	43	44	51	41	38	42	45	50	52	55	58	47	45	36	31	29	40	51	53	48	46	42	41	41	....	43.9
Truckee Basin.																																	
Reno	Maximum	66	73	78	81	81	80	85	83	80	79	79	81	87	93	95	96	79	72	72	63	67	76	80	75	76	72	70	70	73	71	....	77.8
	Minimum	34	34	50	46	46	44	43	49	47	44	40	44	48	51	55	52	56	48	48	41	36	37	46	49	47	53	53	44	39	54	....	45.9
Fallen Leaf, Cal.	Maximum	57	63	62	71	71	65	73	73	73	63	65	67	70	78	80	75	71	64	63	63	59	66	68	67	66	64	60	58	64	66	...	66.8
	Minimum	29	41	37	39	39	41	45	46	48	40	41	41	41	41	47	47	47	40	43	37	35	35	41	50	46	49	48	43	40	49	....	42.2
Tahoe, Cal	Maximum	55	58	61	70	70	68	74	73	66	68	65	68	72	78	80	81	76	64	63	57	58	66	68	66	64	63	60	57	61	64	....	66.5
	Minimum	25	27	33	32	33	34	34	35	32	33	31	35	36	38	40	38	40	30	34	32	30	34	42	42	35	39	46	42	31	44	....	35.2
Carson Basin.																																	
Fallon §§	Maximum	69	75	81	86	80	79	86	91	85	79	80	82	89	94	95	98	92	81	82	66	66	76	87	85	85	86	84	76	78	84	....	82.6
	Minimum	33	38	45	43	47	43	40	49	48	47	38	41	44	46	50	56	64	47	47	42	42	34	42	48	45	46	46	47	39	45	....	44.7
Gardnerville	Maximum	71	70	73	....	78	79	80	80	78	77	...	77	82	....	87	88	....	....	84	69	64	75	77	....	....	78	....	70	....	....	....	76.8
	Minimum	28	29	38	....	39	40	39	40	40	39	....	36	41	..	43	46	....	....	36	37	34	34	39	..	....	41	....	51	....	....	....	38.5
Lahontan	Maximum	71	75	80	85	81	82	87	90	83	80	81	80	90	94	99	98	89	79	81	74	65	65	86	84	82	83	81	75	81	83	....	82.1
	Minimum	40	43	52	55	56	49	56	52	50	54	52	48	54	56	56	61	68	50	52	44	40	42	47	54	50	56	58	45	52	54	....	51.5
Walker Basin.																																	
Mina	Maximum	71	76	72	75	85	82	89	93	85	85	83	87	90	94	97	98	95	81	89	80	65	80	85	84	87	89	84	80	87	87	....	84.5
	Minimum	40	43	41	40	51	42	48	49	50	53	42	48	54	52	59	60	58	45	46	48	43	43	46	50	55	56	53	51	49	43	....	48.6
Yerington	Maximum	76	78	79	84	80	83	86	88	84	86	82	78	87	92	94	98	89	86	81	84	87	75	83	85	84	86	82	85	78	83	....	84.1
	Minimum	30	28	37	44	42	40	40	49	46	42	36	41	45	44	52	51	54	53	43	38	36	34	39	38	43	48	54	53	37	60	....	43.2
Bridgeport, Cal.	Maximum	61	64	66	75	77	77	78	75	73	72	73	74	74	83	85	83	78	69	70	65	65	74	71	68	71	71	67	66	71	69	....	72.2
	Minimum	22	24	25	28	31	32	33	34	42	33	32	33	35	37	39	40	41	30	31	35	33	30	33	38	37	37	44	47	33	39	....	34.3
Colorado Basin.																																	
Las Vegas	Maximum	86	92	94	97	101	97	99	103	100	100	99	100	102	104	105	107	102	100	100	94	89	92	98	99	99	98	99	97	96	98	....	98.2
	Minimum	54	47	60	67	63	70	57	62	61	60	55	60	57	57	60	63	62	65	61	60	63	55	53	54	54	55	55	60	68	56	....	59.1
Logan	Maximum	88	94	98	103	102	101	101	106	105	101	103	104	105	108	109	112	108	99	103	100	92	94	99	102	101	104	105	102	100	102	....	101.7
	Minimum	51	42	52	60	58	56	53	53	54	56	59	57	58	57	62	66	66	61	55	66	63	57	53	55	56	58	61	64	59	58	....	57.5
Pioche	Maximum	73	74	76	84	84	84	83	84	78	74	82	87	87	89	90	93	89	87	81	78	74	80	84	82	88	89	87	76	86	85	....	82.9
	Minimum	42	39	44	53	50	51	50	48	43	45	50	53	52	57	54	56	52	54	54	56	40	35	50	49	51	54	49	43	50	51	....	49.2
Minor Basins.																																	
Cherry Creek	Maximum	60	68	70	77	76	71	78	88	86	79	80	82	84	83	86	88	92	87	79	70	55	70	76	81	88	87	92	83	75	85	....	79.2
	Minimum	34	35	42	41	50	38	36	42	46	42	38	42	46	47	48	52	53	47	40	41	33	27	35	42	43	45	52	53	50	42	....	42.7
Columbia	Maximum	69	76	75	83	82	81	88	91	84	82	85	86	90	93	94	93	88	82	84	83	69	77	85	84	86	89	87	83	80	83	....	83.7
	Minimum	42	39	45	47	50	49	45	50	53	49	47	49	52	52	52	57	55	48	47	49	37	35	47	51	49	51	56	48	42	48	....	48.0
Gerlach	Maximum	66	72	80	84	82	81	87	88	85	80	75	92	95	98	99	98	97	79	76	67	65	76	80	84	82	80	78	72	75	73	....	81.5
	Minimum	38	39	46	46	47	48	45	52	53	45	43	51	48	43	45	57	61	49	46	36	31	34	38	42	45	52	33	35	38	55	....	44.7
Lida	Maximum																																
	Minimum																																
McDermitt	Maximum	60	73	74	60	69	72	80	83	73	68	67	71	81	87	91	94	92	78	68	52	70	80	78	80	80	69	55	68	72	70	....	73.8
	Minimum	32	37	40	43	35	33	42	50	44	30	35	37	47	50	55	60	65	47	44	25	29	47	46	44	44	33	33	34	41	47	....	41.6
McGill	Maximum	60	68	73	78	76	73	71	86	82	79	75	78	81	85	88	92	90	86	79	77	57	73	82	82	84	88	88	83	84	86	....	79.5
	Minimum	34	35	39	43	51	43	40	37	55	48	43	44	47	47	51	50	52	53	43	49	33	32	37	48	55	58	56	53	50	49	....	45.8
Millett	Maximum	67	71	75	81	78	79	84	88	80	77	81	82	85	88	90	85	88	85	81	71	52	74	82	84	83	87	86	82	77	80	....	80.1
	Minimum	34	29	34	40	37	39	38	39	45	41	40	38	39	41	43	42	46	45	39	41	29	29	34	39	50	47	47	40	38	40	....	39.4
Oasis Ranch	Maximum	75	74	75	86	85	85	94	90	89	85	89	90	92	93	96	96	92	86	86	81	72	80	93	90	90	94	92	86	85	88	....	87.0
	Minimum	39	38	40	42	43	45	44	45	47	48	47	45	45	46	44	49	57	35	48	48	40	38	40	45	49	47	51	40	40	46	....	44.4
Rebel Creek	Maximum	62	73	78	81	75	74	83	86	85	72	71	79	84	88	90	91	95	80	69	58	59	72	82	80	81	81	80	71	71	79	....	77.7
	Minimum	35	34	42	44	42	43	44	46	48	40	40	37	45	50	53	54	55	42	45	32	28	30	42	46	47	52	48	37	40	47	....	42.9
Rhyolite	Maximum	66	72	79	92	92	90	93	90	83	81	83	85	86	85	89	88	93	97	89	88	82	73	78	80	82	85	91	90	87	80	....	85.0
	Minimum	37	42	40	56	59	57	57	56	60	58	52	53	60	63	58	61	57	49	53	54	43	45	48	52	54	55	53	50	49	50	....	52.7
Sand Pass	Maximum	66	72	81	83	79	78	86	87	80	76	77	81	88	93	95	92	87	72	75	63	65	76	85	80	80	76	72	70	76	71	....	78.7
	Minimum	35	37	49	57	53	48	51	55	61	44	48	57	50	52	55	55	62	57	50	42	35	38	47	52	49	52	56	39	41	56	....	49.4
Searchlight	Maximum	78	85	86	92	96	93	95	97	95	91	90	91	96	100	102	103	97	91	93	90	85	86	91	93	92	94	93	93	92	93	....	92.4
	Minimum	52	56	60	59	70	69	72	70	71	62	62	61	64	68	72	77	71	64	63	67	59	59	64	67	66	69	69	65	64	64	....	65.2
Sharp	Maximum																																
	Minimum																																
Sulphur	Maximum	66	74	79	83	81	76	85	87	85	78	75	81	87	93	98	97	95	75	74	62	62	74	84	81	80	82	79	72	75	73	....	79.8
	Minimum	40	42	42	45	48	42	42	45	54	41	39	43	45	48	53	56	72	53	48	34	29	33	35	38	41	35	48	39	43	47	....	44.0
Tonopah	Maximum	63	69	71	77	76	74	81	85	77	75	78	79	83	86	87	87	82	77	79	69	60	70	78	79	79	83	80	77	73	77	....	77.0
	Minimum	37	42	49	51	51	53	53	60	57	53	50	52	58	62	65	66	59	53	50	44	34	43	52	54	51	57	59	51	46	56	....	52.3

§§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
NO RAIN
NO RAIN
F

[illegible]
UNIVERSITY OF ILLINOIS
[illegible]

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

NEVADA SECTION

JULY, 1916

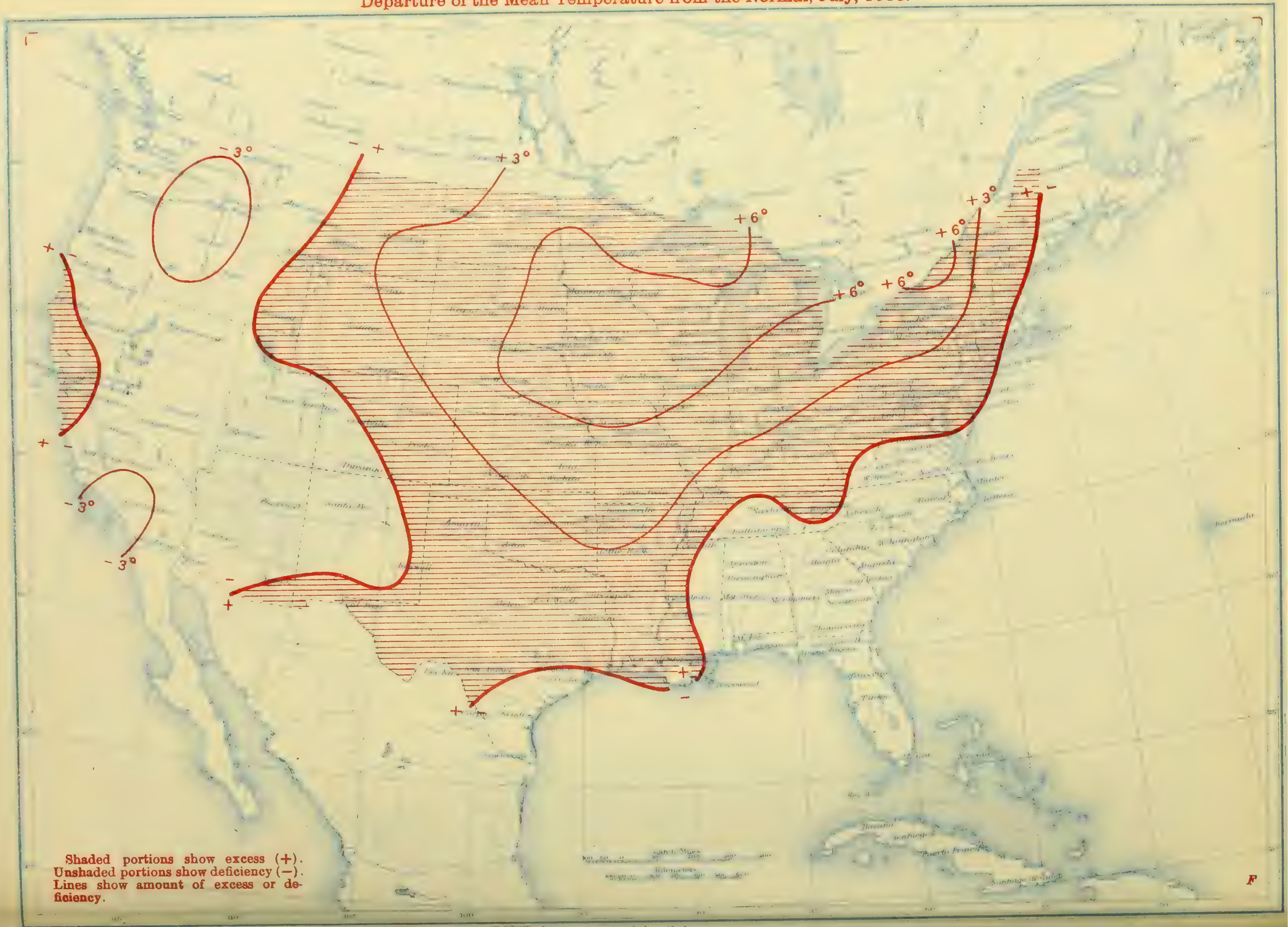
BY

HENRY F. ALCIATORE

METEOROLOGIST.

RENO, NEVADA
WEATHER BUREAU OFFICE
AUGUST 21, 1916.

Departure of the Mean Temperature from the Normal, July, 1916.



Shaded portions show excess (+).
Unshaded portions show deficiency (-).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALCIATORE, Meteorologist.

VOL. XXXI. RENO, NEVADA, JULY, 1916. No. 7.

GENERAL SUMMARY.

Considered as a whole, July was dry, sunny, and slightly cooler than usual. The temperature was above normal at a few places, but deficient elsewhere. Unusually low night temperatures (30° to 32°) occurred in Elko County on the first three days, and a freezing temperature in the Washoe Lake district as late as the 27th. Maximum temperatures of 100° to 113° were recorded in some parts of Clark County almost daily.

Fairly heavy and beneficial showers occurred in some parts of Humboldt, Elko, Esmeralda, Lincoln, and Clark counties, but over the rest of the State the rainfall was very light, and at ten stations there was none at all. The average for the Section was 107 per cent of the normal, and 18 per cent less than that of July, 1915.

The month was one of the sunniest of record, and the relative humidity uncommonly low.

As to the effects of the weather on crops, Mr. Edward C. Paxton, Field Agent of the Bureau of Crop Estimates for Nevada, says: "Although extremely dry, the month of July saw a very normal development of nearly all crops in Nevada. The lower ranges have suffered severely from the continued drought and live stock dependent on such ranges are reported thin. Where the first crop of alfalfa, injured by frost, was cut early, a second crop above normal was harvested, and a good third cut is promised. Irrigation water for all crops has been ample, and Nevada bids fair to break all previous records for total production of small grains. Preliminary estimates indicate a winter wheat yield of 24.5 bushels per acre; somewhat less than last year's yield but well up to the average of recent years. Wild hay in Elko County is reported light, due to the severely cold weather of late spring. Present conditions indicate the largest potato crop in Nevada's history. Fruit is almost a failure. Moapa cantaloupes are on the market; the crop is large and excellent in quality."

TEMPERATURE.

The monthly mean for the State, as shown by the records of 40 stations, was 71.0°. The mean for the 24 stations having ten or more years record was 1.6° below the normal. The highest recorded was 113°, at Logan, on the 22d; the lowest was 30°, at Gold Creek, on the 1st, at Elko, on the 3d, and at Wells, on the 2d. The greatest daily range was 63°, at Elko, on the 20th. The highest monthly mean was 86.7°, at Logan; the lowest was 56.4°, at Gold Creek.

PRECIPITATION.

The average for 52 stations reporting was 0.31 inch. For the 26 stations having ten or more years record, the mean was 0.02 inch above the normal. The average amount at 3 stations in the Columbia Basin was 0.50 inch; at 15 stations in the Humboldt Basin, 0.24 inch; at 9 stations in the Truckee Basin, 0.04 inch; at 5 stations in the Carson Basin, a trace; at 4 stations in the Walker Basin, a trace; at 5 stations in the Colorado Basin, 0.89 inch; at 21 stations in the minor basins, 0.31 inch. The greatest monthly fall was 1.23 inches, at Tecoma; there was none at 10 stations. The average number of days with precipitation was 2.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric Pressure (sea level): Mean.	Highest.	Lowest.	Mean relative humidity: [illegible]	[illegible]	Wind: Average hourly velocity.	Maximum velocity: Miles per hour.	[illegible]	[illegible]
Reno	29.86	30.16	29.6[illegible]	41	16	[illegible]	[illegible]	[illegible]	[illegible]
Winnemucca	29.89	30.16	29.[illegible]	50	15	6.[illegible]	[illegible]	[illegible]	[illegible]
Tonopah	29.86	30.11	29.61	31	14	8.6	[illegible]	[illegible]	[illegible]

SUNSHINE AND CLOUDINESS.

At Reno, 97 per cent of the possible sunshine was recorded; at Winnemucca, 97 per cent; at Tonopah, 97 per cent. For the State, the average number of clear days was 25; partly cloudy, 4; cloudy, 2.

MISCELLANEOUS PHENOMENA.

(Dates of.)

Brisk winds.—1, 2, 7, 8, 9, 12, 13, 14, 17, 18, 20, 25, 26, 27, 28, 29.

Thunderstorms.—2, 6, 7, 8, 12, 13, 14, 15, 16, 19, 21, 22, 23, 24, 25, 27, 28, 29, 30, 31.

Hail.—Tecoma, 25th; Searchlight, 28th.

EVAPORATION.

Evaporation stations were established at Lamoille, Elko County, and Indian Springs, Clark County, Nevada, and at Tahoe, Placer County, California (floating pan) July 1, 1916. The total evaporation for July, in inches, was: Lamoille, 8.932; Indian Springs, 13.751; Tahoe, 5.240.

COMPARATIVE DATA FOR JULY.

Year.	Temperature. Mean.	Highest.	Lowest.	Average precipitation.	Average snowfall.	Number of days. With precipitation.	Clear.	Partly cloudy.	Cloudy.	Prevailing wind.
1889	76.1	119	36	0.17	......	1	29	1	1	S.
1890	74.0	118	28	0.15	0	1	22	7	2	SW.
1891	70.4	102	26	0.53	0	3	17	8	6	S.
1892	70.6	115	30	0.67	0	1	23	5	3	W
1893	70.3	110	24	0.40	0	2	26	4	1	SW.
1894	71.7	108	32	0.75	0	5	17	9	5	S.
1895	70.2	112	28	0.05	0	1	25	4	2	W.
1896	72.7	112	33	0.79	0	2	14	9	8	W.
1897	69.4	116	25	0.28	0	1	20	7	4	SW.
1898	73.5	114	30	0.12	0	1	23	6	2	W.
1899	72.6	106	34	0.14	0	2	22	5	4	W.
1900	70.9	113	33	0.37	0	1	23	4	4	W.
1901	70.8	109	31	0.31	0	2	21	6	4	SW.
1902	67.9	116	25	0.44	0.5	2	21	5	5	SW.
1903	65.4	111	26	0.01	0	1	27	3	1	SW.
1904	68.7	110	30	0.51	0	3	19	8	4	SW.
1905	72.1	109	31	0.03	0	1	24	5	2	SW.
1906	74.7	114	32	0.68	0	4	17	9	5	W.
1907	69.2	113	27	0.06	0	1	22	6	3	S.
1908	74.3	116	32	0.42	0	3	18	10	3	W.
1909	69.5	112	23	0.14	0	2	23	6	2	S.
1910	72.9	110	28	0.65	0	3	18	8	5	W.
1911	70.9	109	30	0.31	0	3	17	10	4	W.
1912	68.6	113	25	0.67	0	4	17	7	7	W.
1913	69.1	113	18	1.30	0	6	16	9	6	W.
1914	72.4	118	32	0.52	0	3	16	10	5	W.
1915	70.8	110	31	0.38	0	2	19	8	4	W.
1916	71.0	113	30	0.31	0	2	25	4	2	SW.
Entire period	71.1	119	18	0.40	T.	2	21	6	4	W.

LATE REPORTS.

June, 1916.—Lida, mean temperature, 63.2°; highest, 90° on the 15th and 16th; lowest, 36° on the 3d and 4th; no precipitation; number of clear days, 30; partly cloudy, 0; cloudy, 0.

Climatological data for July, 1916.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days.				Prevailing direction of the wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	3	56.4	...	80	†13	30	†1	46	3	0.24	....	0.14	0	3	26	1	4	n.	U. S. Forest Service.
Jack Creek**	do	6,300									3	0.40	....	0.40	0	1	27	4	0	......	C. E. Butler.
Owyhee	do	5,400	5								5										Indian Service.
San Jacinto	do	5,200	11	66.2	−0.8	97	12	35	†3	52	11	0.85	−0.36	0.57	0	3	23	5	3	n.	Utah Construction Co.
Humboldt Basin.																					
Arthur	Elko	6,500									6	0.25	−0.54	0.13	0	2	29	2	0	......	Isaac Woodhouse.
Austin	Lander	6,594	27	69.6^{e}	+0.8	95^{e}	23	39^{e}	3	43^{e}	27	0.01	−0.41	0.01	0	1	25	5	1	......	Forest Service.
Battle Mountain	do	4,513	45	76.6	+1.7	107	†12	41	1	53	47	0.00	−0.18	0.00	0	0	29	2	0	......	Southern Pacific Co.
Beowawe	Eureka	4,695	45	68.0	−7.5	100	12	32	3	61	47	0.07	−0.18	0.05	0	2	29	1	1	......	Do.
Clover Valley**	Elko	6,000	15								23										I. F. Wiseman.
Elko	do	5,063	45	67.2	−3.0	96	†5	30	3	63	46	0.30	−0.28	0.20	0	2	21	1	9	sw.	Western Pacific Co.
Eureka	Eureka	6,837	18	69.0	−1.7	95	23	34	3	47	20	0.37	−0.51	0.29	0	2	19	8	4	s.	Clay Simms.
Golconda	Humboldt	4,392	37	69.2	−5.3	100	10	38	2	48	39	0.00	−0.20	0.00	0	0	25	2	4	w.	Southern Pacific Co.
Hylton **	Elko	7,081									6	0.02	....	0.02	0	1	30	1	0	......	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	3	67.6	−8.2	98	24	39	6	46	3	T.	−0.16	T.	0	0	24	3	4	......	Southern Pacific Co.
Lamoille	Elko	6,100	1	66.2	....	90	23	37	3	41	1	0.55	....	0.46	0	4	23	0	8	nw.	Elko-Lamoille Power Co.
Metropolis §	do	5,661									7	0.30	+0.05	0.30	0	1	26	3	2	......	L. F. Hatch.
North Fork	do	6,500									7	0.22	....	0.22	0	1	18	8	5	s.	Chas. Pratt.
Paradise Valley	Humboldt	4,500	3								7										R. M. Taylor.
Potts	Nye	6,002	23								25										Miss Maud Potts.
Tecoma	Elko	4,812	38	70.1	−2.2	101	13	31	3	59	40	1.23	+1.04	0.62	0	3	16	13	2	se.	Southern Pacific Co.
Wells	do	5,631	44	66.3	−4.2	96	12	30	†2	60	47	0.20	−0.05	0.10	0	2	25	3	3	sw.	Do.
Winnemucca	Humboldt	4,344	39	69.3	−2.3	100	12	36	3	50	47	0.01	−0.16	0.01	0	1	28	2	1	sw.	U. S. Weather Bureau.
Truckee Basin.																					
Franktown §	Washoe	5,054	1	63.4	−4.6	93	11	32	27	49	1	0.00	−0.23	0.00	0	0	30	0	1	......	Agent V. & T. Ry.
Glenbrook	Douglas	6,240	7								7										C. C. Henningsen.
Marlette Lake**	do	7,900									3	0.00	....	0.00	0	0	30	1	0	sw.	V. & G. H. Water Co.
Reno	Washoe	4,532	29	68.4	+0.9	98	22	41	27	43	29	T.	−0.14	T.	0	0	30	1	0	w.	U. S. Weather Bureau.
Bijou, Cal.		6,230									7	0.00	....	0.00	0	0	30	1	0	w.	Chas. Young.
Fallen Leaf, Cal.		6,400	4	61.1	....	86	11	35	1	39	4	0.00	....	0.00	0	0	30	0	1	s.	W. W. Price.
Hobart Mills, Cal.		5,900									7	0.11	....	0.11	0	2	29	2	0	s.	S. E. Patterson.
McKinney, Cal.		6,225									7	0.09	....	0.07	0	2	30	0	1	w.	Fred Jensen.
Tahoe, Cal.		6,230	8	56.2	....	83	11	31	27	44	8	0.08	....	0.08	0	1	28	3	0	w.	Mrs. Emma C. Smith.
Tallac, Cal.		6,230									7	0.10	....	0.10	0	1	30	0	1	w.	Willis D. Sloan.
Carson Basin.																					
Fallon	Churchill	3,965	22	70.4	−3.1	100	†7	40	3	50	22	0.00	−0.18	0.00	0	0	29	1	1	nw.	U.S. Experiment Station.
Gardnerville	Douglas	4,830	25	63.8^{j}	−3.8	90^{j}	11	35^{j}	28	49^{j}	26	0.00	−0.33	0.00	0	0	....	....	....	w.	Forest Service.
Lahontan **	Churchill	4,200	4	74.7	....	100	12	45	2	42	6	0.00	....	0.00	0	0	31	0	0	w.	U.S. Reclamat'n Service.
Markleeville, Cal.		5,525									7	T.	....	T.	0	0	28	2	1	s.	Mrs. Mary Thornburg.
Woodfords, Cal. **		5,634									7	T.	....	T.	0	0	28	2	1	sw.	Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	9								20										Southern Pacific Co.
Smith	Lyon	4,800									8	0.00	....	0.00	0	0	26	5	0	sw.	C. M. Carter.
Thorne §	Mineral	4,200	3								3										Southern Pacific Co.
Yerington §	Lyon	4,375	7	69.8	−1.7	98	12	37	5	54	7	T.	−0.14	T.	0	0	29	1	1	sw.	High School.
Bridgeport, Cal.		6,500	3	58.9	....	89	11	26	28	52	5	0.00	....	0.00	0	0	27	4	0	w.	Geo. Delury, jr.
Shields Ranch, Cal. **		5,300									7	T.	....	T.	0	0	25	6	0	......	Frank W. Chichester.
Colorado Basin.																					
Indian Springs §**	Clark	3,136	3	81.3	....	105	22	54	3	45	3	0.33	....	0.21	0	3	....	....	....	se.	Ira McFarland.
Las Vegas	do	2,033	14	84.0	+2.3	109	23	57	†1	47	14	0.73	+0.33	0.25	0	4	20	6	5	s.	C. P. Squires.
Logan §	do	1,355	9	86.7	−0.4	113	22	57	5	51	17	1.06	+0.78	0.68	0	4	13	14	4	......	Experiment Farm.
Mt. Charleston **	do	9,000									1	1.22	....	1.04	0	4	22	0	9	......	E. W. Griffith.
Pioche	Lincoln	6,100	18	70.5	−2.1	94	23	45	1	37	18	1.09	+0.51	0.39	0	9	14	17	0	......	M. L. Lee.
Minor Basins.																					
Belmont	Nye	8,540	16								16										Monitor-Belmont M. Co.
Cherry Creek	White Pine	6,450	8	69.4	....	100	6	37	3	51	8	0.18	....	0.12	0	2	23	6	2	sw.	J. H. Leishman.
Columbia**	Esmeralda	5,700	9	73.2	....	99	23	42	3	43	11	0.15	....	0.15	0	1	22	7	2	se.	A. Booth.
Duck Flat **	Washoe	4,725									2	0.16	....	0.16	0	1	29	0	2	w.	H. J. Muller.
Francis (near)	do	5,350									2	0.00	....	0.00	0	0	31	0	0	sw.	Geo. W. Barnard.
Gerlach	do	3,931	4	69.2	....	100	12	37	27	52	4	0.00	....	0.00	0	0	27	0	4	sw.	Western Pacific Co.
Jungo	Humboldt	4,165									3	T.	....	T.	0	0	26	3	2	sw.	Do.
Lida §	Esmeralda	6,037	4	71.4^{g}	+4.9	95^{g}	†10	42^{g}	6	47^{g}	4	0.68	+0.22	0.68	0	1	....	....	....	se.	L. F. Detwiler.
McDermitt	Humboldt	4,700	5	67.0	−6.7	94	12	34	18	45	29	0.29	−0.01	0.15	0	2	30	0	1	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	6	71.4	+3.2	95	†12	40	3	44	6	0.18	−0.44	0.18	0	1	21	6	4	n.	R. E. Middagh.
Millett	Nye	5,040	8	66.8	....	95	23	33	3	51	9	T.	....	T.	0	0	24	1	6	......	Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	4	73.1	+4.7	104	11	40	2	56	4	1.02	+0.56	1.02	0	1	....	....	....	......	Arthur L. Stewart.
Pahrump	Nye	2,608	3	82.7^{e}	....	109^{e}	22	55^{e}	12	48^{e}	3	0.64	....	0.62	0	2	....	....	....	se.	F. M. Buol.
Quinn Riv. Ranch **	Humboldt	4,850	14	67.6	−1.2	98	11	34	18	58	15	0.95	+0.77	0.95	0	1	....	....	....	sw.	F. M. Payne.
Rebel Creek	do	4,300	4	68.7	....	98	12	40	18	45	5	0.28	....	0.21	0	2	19	9	3	sw.	Fred Whitaker.
Rhyolite	Nye	3,680	3	75.8	....	104	23	50	2	43	3	0.15	....	0.15	0	1	23	6	2	s.	Secretary School Board.
Sand Pass **	Washoe	4,198	3	71.7	....	99	11	42	3	43	3	T.	....	T.	0	0	30	0	1	w.	R. R. Mott.
Searchlight	Clark	3,445	3	83.2	....	105	22	63	†2	34	3	0.66	....	0.32	0	8	15	12	4	s.	C. L. Aug. Mahn.
Sharp	Nye	6,200	3	70.4	....	95	23	40	†1	42	3	0.50	....	0.50	0	1	20	9	2	s.	F. A. Sears.
Sulphur	Humboldt	4,044	3	69.8	....	101	12	39	3	49	3	0.09	....	0.09	0	1	27	3	1	w.	Western Pacific Co.
Tonopah	Nye	6,090	11	72.2	....	92	23	48	3	31	11	0.13	....	0.13	0	1	27	3	1	se.	U. S. Weather Bureau.
Vya	Washoe	5,500									3	0.41	....	0.30	0	3	28	1	2	s.	L. A. Mariette.
For the State			....	71.0	−1.6	113	22	30	†1	63	....	0.31	+0.02	1.04	0	2	25	4	2	sw.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Jack Creek, Tuscarora; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of Lahontan, Hazen; of Woodfords, Cal., Sheridan, Nev.; of Shield's Ranch, Coleville, Cal.; of Indian Springs, Las Vegas; of Mt. Charleston, Las Vegas; of Columbia, Goldfield; of Duck Flat, Gerlach; of Oasis Ranch, Oasis, Cal.; of Quinn River Ranch, Amos; of Sand Pass, Sheepshead.

Reference letters, ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing, for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for July, 1916.

Stations.	Day of month.																														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia Basin.																																
Gold Creek (near)		.14														*	.10															0.24
Jack Creek	T	.40																								T						0.40
Owyhee																																
San Jacinto		.57													.10						T				.18							0.85
Humboldt Basin.																																
Arthur		.13													.12																	0.25
Austin	.01						T.																	T								0.01
Battle Mountain																																0.00
Beowawe		.05																							.02							0.07
Clover Valley																																
Elko		.10	.20																													0.30
Eureka		.08																						.29								0.37
Golconda																																0.00
Hylton		.02																														0.02
Imlay	T.	T.																														T
Lamoille ||||		.46												.01		.05								.03								0.55
Metropolis ||||	.30						T.									T.								T.	T							0.30
North Fork		.22																														0.22
Paradise Valley																																
Potts																																
Tecoma																.62					.11				.50							1.23
Wells	.10														.10																	0.20
Winnemucca***	.01	T.																														0.01
Truckee Basin.																																
Franktown																																0.00
Glenbrook																																
Marlette Lake ||||																																0.00
Reno ***	T.																															T
Bijou, Cal.																																0.00
Fallen Leaf, Cal.																																0.00
Hobart Mills, Cal.	.08	.03																														0.11
McKinney, Cal.	.07	.02																														0.09
Tahoe, Cal. ||||		.08																														0.08
Tallac, Cal.	.10																															0.10
Carson Basin.																																
Fallon ||||																																0.00
Gardnerville																																0.00
Lahontan																																0.00
Markleeville, Cal.	T.																															T.
Woodfords, Cal.	T.																															T.
Walker Basin.																																
Mina																																
Smith																																0.00
Thorne																																
Yerington							T.																	T.								T
Bridgeport, Cal.																																0.00
Shields Ranch, Cal.																			T.													T
Colorado Basin.																																
Indian Springs ||||							T.	.03						.21	.09								T.		T.			T.				0.33
Las Vegas						T.	T.					T.	T.	T.	.25						.20			.12			.16					0.73
Logan						T.							.02	.26													.68	.10				1.06
Mt. Charleston						.10							.02	.06	1.04																	1.22
Pioche							.05	T.					.02	.17									.12	.09	.30	.14	.05	.15				1.09
Minor Basins.																																
Belmont ||||																																
Cherry Creek							.06	T.					T.		.12									T.								0.18
Columbia															.15									T.								0.15
Duck Flat	T.	.16																														0.16
Francis (near)																																0.00
Gerlach																																0.00
Jungo	T.																															T
Lida															.68																	0.68
McDermitt	.14	.15																														0.29
McGill													T.		T.						T.			.18								0.18
Millett														T.																		T.
Oasis Ranch														1.02																		1.02
Pahrump												T	.02	.62																		0.64
Quinn River Ranch		.95																														0.95
Rebel Creek	.07	.21																														0.28
Rhyolite														.15																		0.15
Sand Pass	T.																															T.
Searchlight												.08	.03	.32								T.	.02	.03			.11	.05	.02			0.66
Sharp													T.	.50																		0.50
Sulphur	.09						T.																									0.09
Tonopah***							T.						T.	.13																		0.13
Vya ||||	.30	.03															.08															0.41

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight.

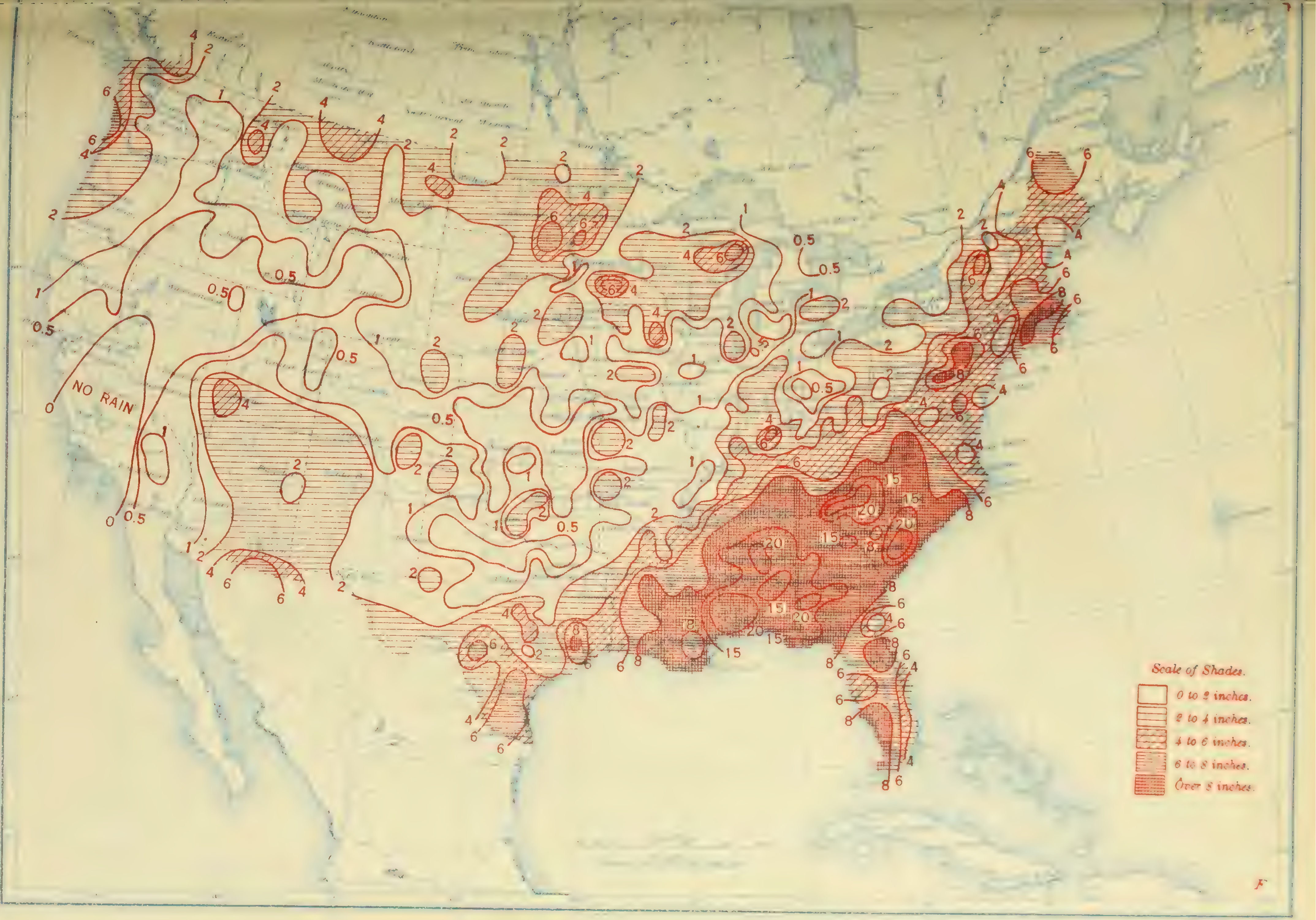
|||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

T. Trace, or less than 0.01 inch.

Daily temperatures for July, 1916.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek (near)	Maximum	70	59	56	68	70	72	75	75	70	75	74	79	80	79	75	76	78	62	70	74	74	78	80	78	80	76	72	71	70	76	80	73.3
	Minimum	30	34	30	36	45	43	45	45	41	40	35	40	42	48	44	40	39	31	33	39	43	46	44	32	44	35	42	36	47	34	43	39.5
Owyhee	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
San Jacinto	Maximum	89	68	67	85	84	91	95	93	92	82	87	97	90	90	87	90	80	72	83	87	85	84	92	88	84	88	86	85	78	89	94	85.9
	Minimum	40	41	35	41	43	45	56	59	49	44	41	45	61	54	58	50	49	37	35	42	45	44	46	45	55	53	47	48	45	38	51	46.5
Humboldt Basin.																																	
Austin	Maximum	79	65	79	87	88	89	87	87	85	89	92	94	90	84	...	89	90	82	89	88	90	92	95	91	87	86	...	...	...	...	91	87.1
	Minimum	45	40	39	44	51	51	58	49	50	51	59	62	54	54	...	58	60	40	50	56	55	60	55	60	60	51	...	...	...	...	45	52.2
Battle Mountain	Maximum	93	90	91	98	97	104	100	104	97	98	101	107	100	100	101	100	101	100	102	101	105	101	103	102	100	100	103	104	106	107	105	100.7
	Minimum	41	42	43	47	46	55	54	55	46	48	57	56	55	50	53	51	54	50	51	56	56	56	56	52	51	63	57	59	58	54	52	52.4
Clover Valley	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Elko	Maximum	88	78	79	90	96	95	92	94	93	92	94	96	96	95	94	94	82	82	92	95	96	92	94	90	90	91	88	86	89	95	95	91.1
	Minimum	39	43	30	33	40	42	45	52	50	42	42	44	62	60	54	44	63	32	32	32	40	42	38	40	63	43	43	34	34	40	40	43.2
Eureka	Maximum	83	77	80	87	88	90	88	89	87	88	91	94	86	86	84	88	83	83	89	91	92	92	95	89	88	86	85	85	86	91	91	87.5
	Minimum	53	41	34	41	48	52	50	60	54	47	51	61	62	56	57	62	47	38	47	52	57	52	54	60	62	52	42	42	44	45	44	50.5
Imlay	Maximum	74	69	70	74	70	69	70	80	81	85	87	88	85	86	87	86	80	89	90	92	93	90	93	98	90	89	88	92	89	88	91	84.3
	Minimum	50	48	45	46	40	39	42	40	45	50	55	58	55	59	49	46	50	55	50	51	47	50	56	60	62	58	59	60	58	49	50	51.0
Paradise Valley	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tecoma	Maximum	90	88	83	91	94	97	98	90	98	90	91	100	101	98	91	90	94	86	88	97	98	95	98	96	90	89	91	92	89	90	92	92.7
	Minimum	43	40	31	43	35	46	47	52	50	48	44	51	60	54	50	48	45	41	42	50	50	46	49	47	51	46	52	58	50	51	53	47.5
Wells	Maximum	87	80	75	88	92	94	90	92	92	86	94	96	95	87	87	...	88	90	88	91	91	90	94	90	92	90	85	83	83	90	93	89.1
	Minimum	45	30	42	38	40	44	57	56	47	45	50	45	61	50	41	...	34	30	43	40	43	54	45	45	51	36	33	46	37	32	45	43.5
Winnemucca	Maximum	78	65	78	88	89	94	96	92	84	90	96	100	92	89	91	89	76	79	90	94	93	94	96	94	90	88	81	83	85	94	93	88.4
	Minimum	52	45	36	49	53	45	46	52	56	48	57	56	61	55	47	59	50	42	52	52	51	62	56	52	55	50	43	37	40	51	46	50.2
Truckee Basin.																																	
Reno	Maximum	71	69	82	85	86	90	92	83	85	92	98	95	88	88	87	79	80	82	89	91	92	98	93	91	85	80	79	78	86	90	90	86.3
	Minimum	55	49	42	47	49	47	53	51	48	49	56	58	53	48	48	47	51	45	49	57	56	55	60	55	55	55	41	42	45	49	47	50.4
Fallen Leaf, Cal.	Maximum	65	62	69	74	75	81	80	74	77	77	86	83	78	77	75	70	75	70	77	80	78	81	83	85	82	70	70	71	73	80	83	76.2
	Minimum	35	39	42	43	42	47	47	41	43	47	50	51	53	52	46	50	50	43	48	46	48	51	52	51	50	49	47	39	40	41	44	46.0
Tahoe, Cal.	Maximum	59	58	70	71	70	76	78	72	74	79	83	81	79	75	72	68	70	72	77	79	80	81	80	80	75	70	69	68	72	79	...	73.9
	Minimum	46	34	33	37	34	32	48	35	35	40	43	43	40	35	35	37	36	36	39	42	40	43	44	41	41	48	31	32	34	48	36	38.6
Carson Basin.																																	
Fallon §§	Maximum	80	71	81	91	91	96	100	92	88	95	98	100	96	92	93	90	84	83	92	96	95	97	99	97	93	91	85	85	87	95	96	91.3
	Minimum	51	47	40	45	48	50	53	53	48	49	53	56	52	48	48	49	46	45	49	53	57	55	57	53	58	48	43	41	43	45	49	49.4
Gardnerville	Maximum	...	...	...	...	...	...	86	...	...	87	90	89	86	82	81	...	80	78	84	85	85	87	...	87	83	80	76	76	...	...	85	83.5
	Minimum	...	...	...	...	...	...	37	...	...	41	49	50	45	43	41	...	41	40	44	49	49	48	...	48	47	57	37	35	...	...	37	44.1
Lahontan	Maximum	77	79	83	90	91	95	98	91	86	92	99	100	93	92	91	87	82	82	90	97	95	97	99	96	92	90	84	85	87	94	95	90.6
	Minimum	55	45	49	55	58	62	64	64	60	62	62	65	65	59	64	60	55	52	60	64	65	69	68	65	60	55	54	52	57	52	55	58.9
Walker Basin.																																	
Mina	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Yerington	Maximum	80	79	85	86	89	93	91	88	90	90	96	98	92	88	90	92	90	88	89	94	93	95	93	96	88	85	82	88	90	93	95	89.9
	Minimum	40	43	48	38	37	46	48	70	60	42	52	51	46	45	52	48	51	71	54	49	52	49	50	53	52	60	63	40	43	39	48	49.7
Bridgeport, Cal.	Maximum	67	70	81	79	80	84	81	78	84	88	89	85	80	80	80	75	80	80	81	83	85	86	84	84	79	74	73	74	81	80	83	80.3
	Minimum	49	43	30	35	39	39	40	38	32	37	40	42	43	35	35	33	36	37	37	40	41	40	43	43	42	40	32	26	30	32	33	37.5
Colorado Basin.																																	
Las Vegas	Maximum	97	94	97	103	104	108	105	107	105	105	106	104	99	88	98	102	101	101	103	106	106	104	109	103	104	103	98	98	101	104	105	102.2
	Minimum	57	59	60	57	58	61	63	65	61	61	68	69	68	69	65	63	64	62	61	70	71	73	72	77	74	72	74	64	65	65	72	65.8
Logan	Maximum	103	100	103	106	108	110	110	108	108	110	111	107	100	88	96	104	105	103	105	110	112	113	112	108	107	105	97	95	103	106	108	105.2
	Minimum	58	64	60	60	57	66	75	67	69	63	66	73	66	67	62	68	64	66	64	71	72	80	74	79	80	71	67	66	72	72	75	68.2
Pioche	Maximum	75	73	63	85	85	92	90	73	87	91	93	90	87	78	80	85	86	86	84	88	92	93	94	90	85	83	75	79	85	86	89	84.6
	Minimum	45	58	49	52	54	55	66	56	61	56	60	61	62	54	55	55	55	55	50	56	57	60	58	55	50	60	57	55	56	57	68	56.4
Minor Basins.																																	
Cherry Creek	Maximum	76	72	84	92	90	100	85	86	88	86	89	97	87	86	80	89	83	82	84	90	92	98	96	82	92	89	86	88	81	85	92	87.3
	Minimum	46	55	37	42	52	49	58	49	50	47	54	49	62	52	57	48	52	42	49	54	52	57	61	58	56	53	45	58	45	57	54	51.6
Columbia	Maximum	85	78	85	89	91	92	92	89	91	94	97	95	90	86	86	91	90	89	91	95	95	98	99	96	93	89	87	86	90	91	93	90.7
	Minimum	54	48	42	50	55	54	61	58	54	53	56	59	63	58	55	58	53	51	54	57	61	59	65	67	62	58	51	50	49	55	59	55.8
Gerlach	Maximum	74	75	78	90	89	90	97	95	92	93	98	100	97	92	90	89	85	79	92	96	95	96	97	96	93	86	81	83	87	93	94	90.1
	Minimum	54	43	42	38	47	46	48	55	48	53	56	56	57	51	42	43	45	38	51	51	58	55	53	52	58	44	37	38	38	49	52	48.3
Lida	Maximum	...	...	...	...	...	89	91	90	91	95	92	87	88	89	88	79	83	86	89	90	93	93	94	95	88	87	84	...	...	86	90	89.0
	Minimum	...	...	...	...	...	42	55	49	50	50	64	53	52	53	54	44	47	51	56	59	61	67	65	60	56	45	48	...	...	45	66	53.8
McDermitt	Maximum	74	72	84	85	84	90	91	90	87	87	92	94	87	84	86	84	75	76	86	90	89	89	90	91	86	84	77	80	84	90	89	85.4
	Minimum	46	45	39	40	42	49	58	54	54	50	58	56	52	49	49	51	43	34	46	55	55	53	51	49	46	41	39	45	54	52	49	48.6
McGill	Maximum	86	82	81	90	90	92	90	91	89	89	92	95	92	78	79	88	87	85	90	91	91	91	95	92	90	87	85	82	86	86	91	88.2
	Minimum	53	57	40	46	59	58	65	56	48	60	54	53	63	56	57	52	52	43	51	52	58	55	61	58	58	56	56	54	52	52	59	54.6
Millett	Maximum	83	71	82	88	88	80	90	89	86	89	92	92	87	85	86	90	82	85	87	89	91	91	95	92	91	88	85	85	85	88	90	87.2
	Minimum	41	43	33	41	42	40	54	61	42	40	43	52	54	59	52	55	45	41	45	44	48	50	50	57	57	43	43	43	40	37	46	46.5
Oasis Ranch	Maximum	89	82	89	94	95	96	96	97	103	95	104	100	91	86	87	93	90	90	93	92	92	97	99	98	94	90	90	91	87	94	99	93.3
	Minimum	50	40	41	47	45	47	60	56	48	50	48	51	62	60	50	56	52	51	50	55	60	58	57	64	53	57	58	47	59	48	60	52.9
Rebel Creek	Maximum	74	63	77	86	87	93	92	90	89	90	93	98	89	87	88	88	77	80	88	92	91	92	94	91	90	87	82	82	86	92	92	87.1
	Minimum	47	42	41	45	53	50	53	59	48	56	54	55	59	54	52	56	46	40	48	57	56	56	52	53	52	47	42	44	48	47	48	50.3
Rhyolite	Maximum	78	76	85	88	87	95	97	100	89	93	102	102	95	82	85	91	88	92	84	92	95	96	104	102	93	90	87	85	86	89	93	91.0
	Minimum	52	50	55	55	57	58	66	57	73	66	62	64	61	51	54	58	54	57	59	60	66	70	67	64	70	56	56	55	64	67	70	60.5
Sand Pass	Maximum	73	68	80	88	88	93	96	88	87	92	99	98	93	89	89	82	79	81	91	95	94	96	95	93	89	83	80	80	86	93	92	88.1
	Minimum	53	47	42	50	50	50	55	55	53	53	68	66	57	51	51	54	54	65	57	60	67	58	75	56	58	53	43	62	49	51	50	55.3
Searchlight	Maximum	93	89	95	96	98	102	101	98	98	99	103	97	85	80	90	95	94	94	97	100	103	105	101	99	98	97	90	90	94	97	101	96.1
	Minimum	65	63	66	68	70	73	75	70	71	69	69	69	67	64	63	72	68	67	70	80	77	77	76	74	72	72	71	64	69	71	74	70.2
Sharp	Maximum	80	82	83	90	90	93	87	90	90	90	93	94	88	75	81	87	86	85	89	91	93	92	95	85	88	86	86	82	87	87	93	87.7
	Minimum	40	40	42	50	48	51	60	56	50	56	55	55	56	50	52	53	55	47	55	65	60	59	65	55	56	50	50	40	46	60	65	53.0
Sulphur	Maximum	71	66	77	88	88	95	98	89	85	92	97	101	97	91	90	87	80	81	90	95	93	95	96	94	92	88	80	83	88	94	93	88.9
	Minimum	52	48	39	43	48	50	52	57	56	49	52	55	58	61	58	60	52	42	44	46	49	51	54	56	55	52	48	47	45	48	50	50.9
Tonopah	Maximum	78	69	79	84	84	86	86	83	84	87	90	90	82	79	82	85	81	83	85	87	88	90	92	89	88	83	81	81	82	85	87	84.
	Minimum	56	52	48	59	58	62	68	63	57	59	67	68	60	57	56	60	56	52	60	64	63	67	71	70	66	58	55	55	55	61	64	60.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


NO RAIN
Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
F

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WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

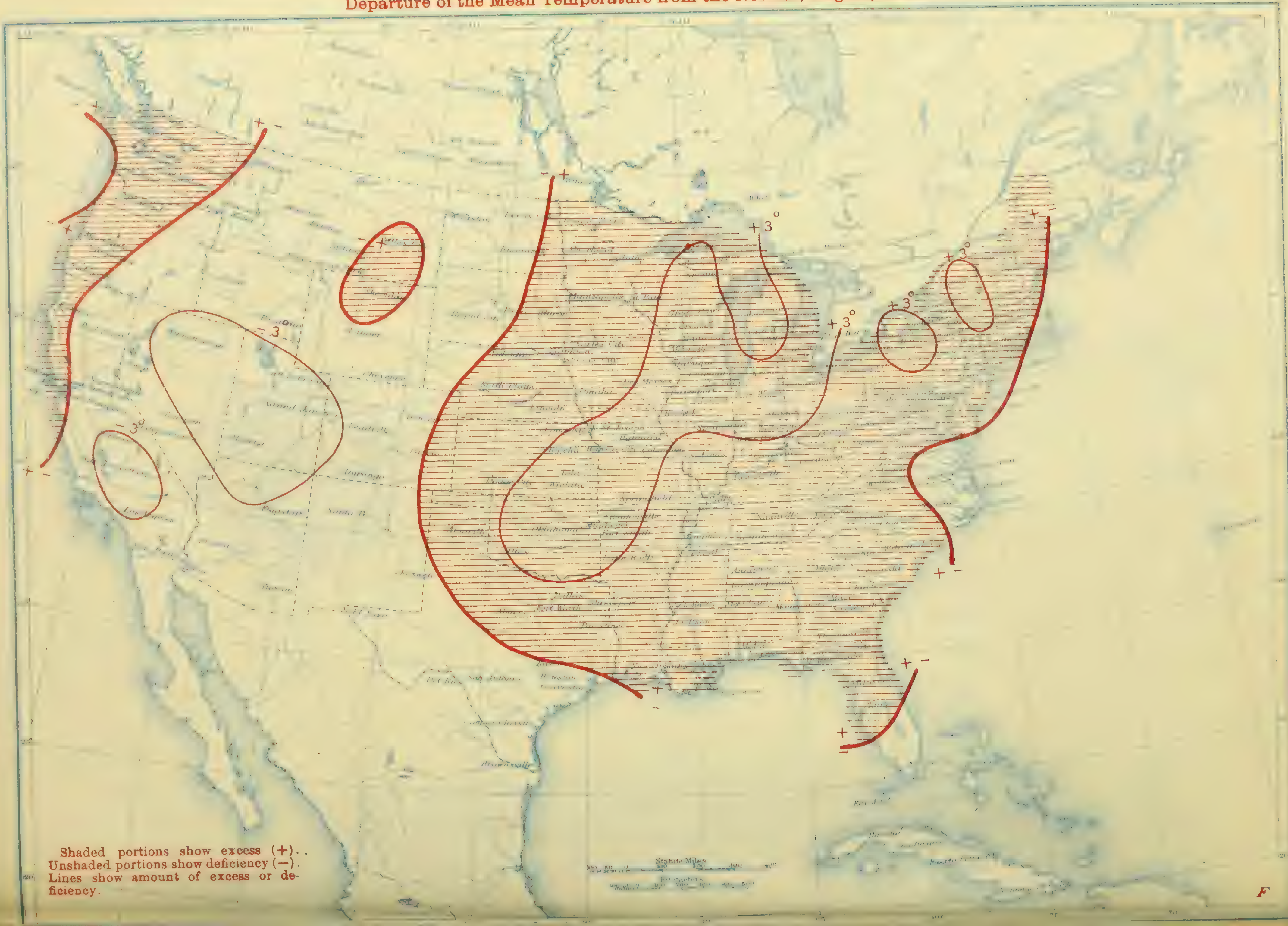
NEVADA SECTION

AUGUST, 1916

BY
HENRY F. ALCIATORE
METEOROLOGIST.

RENO, NEVADA
WEATHER BUREAU OFFICE
SEPTEMBER 20, 1916.

Departure of the Mean Temperature from the Normal, August, 1916.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALCIATORE, Meteorologist.

Vol. XXXI. Reno, Nevada, August, 1916. No. 8.

GENERAL SUMMARY.

Over the State as a whole, August was cool and dry. There were a number of chilly nights with minimum temperatures ranging from 21° to 41° in the northern and central and from 40° to 58° in the southern counties. Frost on the 17th, 18th, and 19th damaged tender vegetation in the northern portion of the State.

From one to nearly two inches of rain fell in parts of Lincoln and Clark counties, but over the remainder of the State only three stations reported more than half an inch. Eight stations reported no rain and six only a trace. The precipitation since March has been about one-half the normal and the stock ranges are suffering from the long drouth.

Slight earthquake shocks were reported from places in Elko and Humboldt counties on the 3d.

Mr. E. C. Paxton, Field Agent for Nevada, says: "Ample irrigation water and continued sunshine made a good growing month for all Nevada crops. The strained condition of the ranges was somewhat relieved by the general showers the last week of August. All small grain crops continue excellent in forecast. The September forecast of 2,230,000 bushels of potatoes is one of the largest ever forecasted in Nevada. The preliminary estimate of hay production is well up to the average of recent years, and the quality is excellent. On the Truckee-Carson project a good third cut of alfalfa is promised. Wild hay in Humboldt and Elko counties is light. Very little fall, tree fruits of any kind are promised in the State. A normal crop of melons and cantaloupes was harvested in the Moapa Valley section, and a fair production is forecasted at Fallon. Prospects for a good alfalfa seed crop in the Mason Valley are bright if autumn frost is long enough delayed." W. B.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 41 stations, was 67.7°. The mean for the 24 stations having ten or more years record was 2.8° below the normal. The highest recorded was 112°, at Pahrump, on the 1st; the lowest was 21°, at San Jacinto, on the 19th. The greatest daily range was 66°, at Wells, on the 23d. The highest monthly mean was 82.2°, at Logan; the lowest was 55.6°, at Gold Creek.

PRECIPITATION.

The average for 51 stations reporting was 0.25 inch. For the 25 stations having ten or more years record, the mean was 0.21 inch below the normal. The average amount at 3 stations in the Columbia Basin was 0.42 inch; at 17 stations in the Humboldt Basin, 0.08 inch; at 7 stations in the Truckee Basin, 0.28 inch; at 4 stations in the Carson Basin, 0.14 inch; at 3 stations in the Walker Basin, 0.11 inch; at 5 stations in the Colorado Basin, 0.75 inch; at 21 stations in the minor basins, 0.30 inch. The greatest monthly fall was 1.92 inches, at Pioche; there was none at 8 stations. The average number of days with precipitation was 1.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations	Barometric Pressure (sea level)			Mean relative humidity		Wind			
	Mean	Highest	Lowest	[illegible]	[illegible]	Average hourly velocity	Max. velocity		
							Miles per hour	[illegible]	[illegible]
Reno	29.88	30.17	29.61	56	19	6.5	36	sw.	[illegible]
Winnemucca	29.92	30.24	29.59	51	18	[illegible]	27	sw.	7
Tonopah	29.90	30.18	29.64	41	20	8.7	30	se.	[illegible]

SUNSHINE AND CLOUDINESS.

At Reno, 86 per cent of the possible sunshine was recorded; at Winnemucca, 94 per cent; at Tonopah, 95 per cent. For the State, the average number of clear days was 23; partly cloudy, 5; cloudy, 3.

MISCELLANEOUS PHENOMENA.

(Dates of.)

Solar Halos.—11.

Brisk Winds.—2, 5, 7, 8, 11, 12, 17, 18, 24, 27, 28, 31.

Thunderstorms.—2, 3, 4, 7, 10, 14, 15, 25, 26, 27, 28, 29.

Hail.—Vya, 28; McGill, 29.

EVAPORATION.

The total evaporation as recorded at Indian Springs was 13.076 inches; at Lamoille, 9.180; at Tahoe, Cal., 5.660.

COMPARATIVE DATA FOR AUGUST.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	73.2	117	29	1.06	0	2	19	6	6	s.
1890	70.1	110	28	2.06	0	5	16	9	6	sw.
1891	72.0	101	25	0.44	0	2	21	6	4	s.
1892	71.2	105	20	0.01	0	0	21	9	1	w.
1893	71.1	104	25	0.26	0	2	16	7	8	sw.
1894	71.0	105	30	0.45	0	4	17	7	7	sw.
1895	70.6	112	24	0.15	T.	1	19	8	4	sw.
1896	69.0	109	34	0.82	0	3	16	8	5	w.
1897	73.3	110	31	0.31	0	2	17	8	6	s.
1898	73.6	112	29	0.45	0	2	18	8	5	sw.
1899	63.7	99	20	0.82	T.	3	19	5	7	w.
1900	66.6	110	30	0.04	0	0	22	6	3	sw.
1901	68.3	101	29	2.05	0	6	17	5	9	sw.
1902	68.9	117	30	0.22	0	2	21	5	5	sw.
1903	69.7	114	28	0.10	0	1	24	6	1	sw.
1904	68.6	105	22	1.81	0	7	12	8	11	sw.
1905	70.7	108	31	0.27	0	1	21	6	4	sw.
1906	70.2	111	26	0.80	0	3	17	8	6	w.
1907	67.7	109	22	0.31	0	2	20	7	4	s.
1908	69.7	108	18	0.36	0	2	17	8	6	w.
1909	70.9	112	25	0.48	0	2	21	7	3	sw.
1910	69.3	111	20	0.08	0	1	25	4	2	w.
1911	67.3	110	27	0.01	0	0	27	3	1	w.
1912	67.7	110	23	0.35	0	2	23	5	3	w.
1913	70.4	109	25	0.75	0	5	15	11	5	w.
1914	72.5	122	14	0.14	0	1	23	7	1	sw.
1915	73.3	112	32	0.08	0	1	25	5	1	s.
1916	67.7	112	21	0.25	0	1	23	5	3	sw.
Entire period	69.9	122	14	0.53	T.	2	20	6	5	sw.

LATE REPORTS.

June, 1916.—Clover Valley, mean temperature, 57.4°; highest, 92° on the 17th; lowest, 25° on the 21st and 22d; total precipitation, 0.06 inch; number of days with precipitation, 1; clear, 17; partly cloudy, 11; cloudy, 2.

July, 1916.—Clover Valley, mean temperature, 66.6°; highest, 91° on the 23d and 31st; lowest, 34° on the 3d; total precipitation, 0.32 inch; number of days with precipitation, 2; clear, 18; partly cloudy, 12; cloudy, 1.

Belmont, mean temperature, 66.4°; highest, 89° on the 12th, 13th, 23d, and 24th; lowest, 35° on the 3d; no precipitation; number of clear days, 28; partly cloudy, 2; cloudy, 1.

Owyhee, (9 days missing) mean temperature, 68.6°; highest, 89° on the 15th; lowest, 25° on the 28th; precipitation incomplete.

Paradise Valley, mean temperature, 65.3°; highest, 98° on the 12th; lowest, 32° on the 3d: total precipitation, 0.12 inch; number of days with precipitation, 2; clear, 26; partly cloudy, 2; cloudy, 3.

Climatological data for August, 1916.

Stations.	Counties.	Elevation, feet.	Temperature, in degrees Fahr.								Precipitation, in inches.					Number of days.					Observers.
			Length of record, years.	Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.	Prevailing direction of the wind.	
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	3	55.6	......	82	3	25	21	45	3	0.17	......	0.15	0	2	27	3	1	n.	U. S. Forest Service.
Jack Creek**	do	6,300									3	0.82	......	0.80	0	3	26	5	0	......	C. E. Butler.
Owyhee	do	5,400	5	58.9	......	90	1	28^{d}	†25	59^{d}	5						24	3	4	......	Indian Service.
San Jacinto	do	5,200	11	60.9	−1.5	95	1	21	19	57	11	0.28	−0.61	0.18	0	2	19	9	3	n.	Utah Construction Co.
Humboldt Basin.																					
Arthur	Elko	6,500									6	T.	−0.44	T.	0	0	30	1	0	......	Isaac Woodhouse.
Austin	Lander	6,594	27	66.7	−1.4	92	†1	33	18	42	27	T.	−0.63	T.	0	0	24	6	1	......	Forest Service.
Battle Mountain	do	4,513	45	70.9	−2.5	107	†1	35	18	62	47	0.00	−0.14	0.00	0	0	24	6	1	......	Southern Pacific Co.
Beowawe	Eureka	4,695	45	63.9	−10.0	96	†4	30	†18	59	47	0.00	−0.19	0.00	0	0	27	0	4	......	Do.
Clover Valley** ††	Elko	6,000	15	64.2	−1.3	92	1	34	†19	43	23	0.14	−0.46	0.14	0	1	17	13	1	......	I. F. Wiseman.
Elko	do	5,063	45	64.1	−1.4	95	†1	30	†19	60	46	0.25	−0.25	0.15	0	2	21	3	7	sw.	Western Pacific Co.
Eureka	Eureka	6,837	18								20										Clay Simms.
Golconda	Humboldt	4,392	37	66.8	−4.4	94	1	34	17	45	39	0.01	−0.08	0.01	0	1	25	3	3	......	Southern Pacific Co.
Hylton **	Elko	7,081									6	0.07	......	0.07	0	1	29	1	1	......	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	3	66.3	−6.6	98	2	33	19	56	3	0.00	−0.14	0.00	0	0	26	3	2	......	Southern Pacific Co
Lamoille	Elko	6,100	1	66.0	......	90	†1	33	19	40	1	0.18	......	0.12	0	2	23	0	8	s.	Elko-Lamoille Power Co.
Metropolis §	do	5,661									7	T.	−0.22	T.	0	0	25	3	3	......	L. F. Hatch.
North Fork	do	6,500									7	0.23	......	0.23	0	1	19	7	5	w.	Chas. Pratt.
Paradise Valley	Humboldt	4,500	3	63.3	......	98	23	23	18	59	7	0.03	......	0.02	0	2	23	4	4	sw.	R. M. Taylor.
Potts	Nye	6,002	23	63.2	−4.6	93	†13	31	19	54	25	0.05	−0.52	0.05	0	1	14	9	8	s.	Miss Maud Potts.
Tecoma	Elko	4,812	38	66.4	−4.4	101	2	31	17	57	40	0.10	−0.13	0.10	0	1	17	14	0	......	Southern Pacific Co.
Wells	do	5,631	44	60.1	−8.2	95	1	24	23	66	47	0.10	−0.12	0.10	0	1	22	4	5	......	Do.
Winnemucca	Humboldt	4,344	39	66.4	−4.4	96	2	30	18	51	47	0.11	−0.06	0.06	0	2	24	5	2	ne.	U. S. Weather Bureau.
Truckee Basin.																					
Franktown §	Washoe	5,054	1								1										Agent V. & T. Ry.
Glenbrook	Douglas	6,240	7								7										C. C. Henningsen.
Marlette Lake**	do	7,900									3	0.00	......	0.00	0	0	25	5	1	sw.	V. & G. H. Water Co.
Reno	Washoe	4,532	29	67.2	+0.2	94	1	38	19	45	29	0.04	−0.21	0.04	0	1	25	3	3	w.	U. S. Weather Bureau.
Bijou, Cal.		6,230									7	0.16	......	0.08	0	3	20	9	2	n.	Chas. Young.
Fallen Leaf, Cal.		6,400	4	60.6	......	89	6	33	18	45	4	0.50	......	0.50	0	1	24	0	7	n.	W. W. Price.
Hobart Mills, Cal.		5,900									7	0.64	......	0.50	0	4	20	5	6	s.	S. E. Patterson.
McKinney, Cal.		6,225									7										Fred Jensen.
Tahoe, Cal.		6,230	8	55.2	......	81	1	30	18	44	8	0.22	......	0.21	0	2	14	13	4	w.	Mrs. Emma C. Smith.
Tallac, Cal.		6,230									7	0.37	......	0.30	0	2	21	8	2	w.	Willis D. Sloan.
Carson Basin.																					
Fallon	Churchill	3,965	22	68.6	−3.4	98	2	36	19	50	22	0.09	−0.03	0.08	0	2	26	5	0	nw.	U.S. Experiment Station.
Gardnerville	Douglas	4,830	25	61.8^{j}	−5.8	87^{j}	†1	34^{j}	22	51^{j}	26	0.05	−0.15	0.05	0	1	......	......	......	w.	Forest Service.
Lahontan **	Churchill	4,200	4	73.7	......	99	2	41	18	37	6	T.	......	T.	0	0	26	3	2	w.	U.S. Reclamat'n Service.
Markleeville, Cal.		5,525									7	0.40	......	0.40	0	1	21	6	4	s.	Mrs. Mary Thornburg.
Woodfords, Cal. **		5,634									7										Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	9								20										Southern Pacific Co.
Smith	Lyon	4,800									8										C. M. Carter.
Thorne §	Mineral	4,200	3								3										Southern Pacific Co.
Yerington §	Lyon	4,375	7	71.7	+1.6	95	2	34	18	57	7	T.	−0.20	T.	0	0	22	1	8	sw.	High School.
Bridgeport, Cal.		6,500	3	56.8	......	88	12	27	20	54	5	0.08	......	0.08	0	1	12	13	6	w.	Geo. Delury, jr.
Shields Ranch, Cal. **		5,300									7	0.25	......	0.12	0	3	14	17	0	......	Frank W. Chichester.
Colorado Basin.																					
Indian Springs §**	Clark	3,136	3	77.6	......	101	7	52	19	42	3	0.19	......	0.10	0	2	......	......	......	se.	Ira McFarland.
Las Vegas	do	2,033	14	80.3	−0.3	103	†3	53	17	46	14	0.53	−0.04	0.28	0	3	24	2	5	s.	C. P. Squires.
Logan §	do	1,355	9	82.2	−3.9	107	23	54	9	47	17	1.04	+0.60	0.78	0	2	16	8	7	......	Experiment Farm.
Mt. Charleston **	do	9,000									1	0.07	......	0.07	0	1	29	0	2	......	E. W. Griffith.
Pioche	Lincoln	6,100	18	68.2	−3.4	90	†1	40	18	34	18	1.92	+0.46	1.30	0	5	18	13	0	......	M. L. Lee.
Minor Basins.																					
Belmont	Nye	8,540	16	63.5	−2.5	87	3	36	18	35	16	0.25	−0.69	0.15	0	2	19	10	2	se.	Monitor-Belmont M. Co.
Cherry Creek	White Pine	6,450	8	66.7	......	95	2	40	21	40	8	0.30	......	0.18	0	3	23	6	2	sw.	J. H. Leishman.
Columbia**	Esmeralda	5,700	9	70.2	......	95	2	44	19	40	11	0.94	......	0.82	0	2	19	11	1	se.	A. Booth.
Duck Flat **	Washoe	4,725									2	0.18	......	0.18	0	1	27	4	0	w.	H. J. Muller.
Francis (near)	do	5,350									2	0.15	......	0.15	0	1	26	2	3	sw.	Geo. W. Barnard.
Gerlach	do	3,931	4	68.8	......	98	24	40	18	53	4	0.00	......	0.00	0	0	28	0	3	sw.	Western Pacific Co.
Jungo	Humboldt	4,165									3	T.	......	T.	0	0	15	15	1	sw.	Do.
Lida §	Esmeralda	6,037	4								4										L. F. Detwiler.
McDermitt	Humboldt	4,700	5	66.5	−5.8	93	11	31	18	42	29	T.	−0.15	T.	0	0	24	6	1	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	6	69.4	+4.5	93	1	41	20	43	6	0.34	−0.74	0.26	0	3	17	14	0	n.	R. E. Middagh.
Millett	Nye	5,040	8	64.1	......	92	†1	34	20	50	9	0.00	......	0.00	0	0	22	7	2	s.	Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	4	69.4	+2.1	98	†4	42	19	51	4	0.01	−0.55	0.01	0	1	25	5	1	......	Arthur L. Stewart.
Pahrump	Nye	2,608	3	79.7	......	112	1	49	19	47	3	0.42	......	0.42	0	1	25	5	1	se.	F. M. Buol.
Quinn Riv. Ranch **	Humboldt	4,850	14	66.5^{d}	−0.6	98^{d}	†23	25^{d}	21	64^{d}	15	0.00	−0.18	0.00	0	0	30	0	1	n.	F. M. Payne.
Rebel Creek	do	4,300	4	67.5	......	93	2	33	†18	43	5	0.06	......	0.06	0	1	17	10	4	sw.	Fred Whitaker.
Rhyolite	Nye	3,680	3	70.4	......	97	†1	47	16	38	3	0.20	......	0.20	0	1	23	6	2	s.	Secretary School Board.
Sand Pass **	Washoe	4,198	3	71.4	......	96	†2	34	18	46	3	0.00	......	0.00	0	0	24	3	4	nw.	R. R. Mott.
Searchlight	Clark	3,445	3	79.2	......	97	†6	58	†16	32	3	0.22	......	0.20	0	3	16	8	7	s.	C. L. Aug. Mahn.
Sharp	Nye	6,200	3	66.8	......	90	1	28	18	46	3	1.50	......	0.70	0	3	23	8	0	se.	F. A. Sears.
Sulphur	Humboldt	4,044	3	68.4	......	96	†2	34	18	50	3	0.50	......	0.50	0	1	23	4	4	w.	Western Pacific Co.
Tonopah	Nye	6,090	11	68.5	......	90	1	40	18	29	11	0.54	......	0.53	0	2	23	8	0	se.	U. S. Weather Bureau.
Vya	Washoe	5,500									3	0.80	......	0.40	0	3	29	1	1	sw.	L. A. Mariette.
For the State		......	......	67.7	−2.8	112	1	21	19	66	....	0.25	−0.21	1.30	0	1	23	5	3	sw.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Jack Creek, Tuscarora; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of Lahontan, Hazen; of Woodfords, Cal., Sheridan, Nev.; of Shield's Ranch, Coleville, Cal.; of Indian Springs, Las Vegas; of Mt. Charleston, Las Vegas; of Columbia, Goldfield; of Duck Flat, Gerlach; of Oasis Ranch, Oasis, Cal.; of Quinn River Ranch, Amos; of Sand Pass, Sheepshead.

Reference letters, ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing, for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for August, 1916.

Stations.	Day of month																														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Columbia Basin.																																
Gold Creek (near)																		.02											.15*			0.17
Jack Creek																		.02												.80		0.82
Owyhee																																
San Jacinto							T.							T.	.10			T											T	.18		0.28
Humboldt Basin.																																
Arthur																													T			T
Austin																												T				T
Battle Mountain																																0.00
Beowawe																																0.00
Clover Valley				.11																												0.11
Elko																												.15	.10	T.		0.25
Eureka																																
Golconda																	T										.01					0.01
Hylton				.07																												0.07
Imlay																																0.00
Lamoille ||||																												.12	.06			0.18
Metropolis ||||							T.																									T.
North Fork																											.23					0.23
Paradise Valley															T.		.01												.02			0.03
Potts					.05																											0.05
Tecoma																													.10			0.10
Wells																												.10				0.10
Winnemucca***																	.05											.06	T.			0.11
Truckee Basin.																																
Franktown																																
Glenbrook																																
Marlette Lake ||||																																0.00
Reno ***															T.													.04				0.04
Bijou, Cal															.03												.05	.08				0.16
Fallen Leaf, Cal										T.				T.	T.													.50				0.50
Hobart Mills, Cal											.06				.03	.05											T.	.50				0.64
McKinney, Cal																																
Tahoe, Cal ||||																.01													.21			0.22
Tallac, Cal										T.				T.	T.												.07	.30				0.37
Carson Basin.																																
Fallon ||																												.01	.08			0.09
Gardnerville																												.05				0.05
Lahontan																												T.				T.
Markleeville, Cal															T.												T.	.40				0.40
Woodfords, Cal																																
Walker Basin.																																
Mina																																
Smith																																
Thorne																																
Yerington															T.																	T.
Bridgeport, Cal																											.08					0.08
Shields Ranch, Cal															.12												.08	.05				0.25
Colorado Basin.																																
Indian Springs ||||				T.														T.									.10		.09			0.19
Las Vegas	T.	.28		.20																					T.	.05	T.					0.53
Logan			.26									.78																				1.04
Mt. Charleston				T.																							.07					0.07
Pioche	T.	.05	T.	1.30																								.30	.14	.13		1.92
Minor Basins.																																
Belmont ||||																			T.									.15	.10			0.25
Cherry Creek		T		.11																								.18	.01			0.30
Columbia		.12																										.82				0.94
Duck Flat															.18																	0.18
Francis (near)																												.15	T			0.15
Gerlach																																0.00
Jungo																												T.				T
Lida																																
McDermitt																T.																T
McGill	T.			T.																							T.	.04	.04	.26		0.34
Millett																																0.00
Oasis Ranch																											T.	.01				0.01
Pahrump		.42																								T.		T.				0.42
Quinn River Ranch																																0.00
Rebel Creek																		.06											T.			0.06
Rhyolite			T.																							T.		.20				0.20
Sand Pass																																0.00
Searchlight		.02																										.15	.05			0.22
Sharp		T.	.70																									.30	.50			1.50
Sulphur															T.		T.											.50				0.50
Tonopah***																									T.		.39	.15				0.54
Vya ||||			T.												.40	.20												.20				0.80

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight.

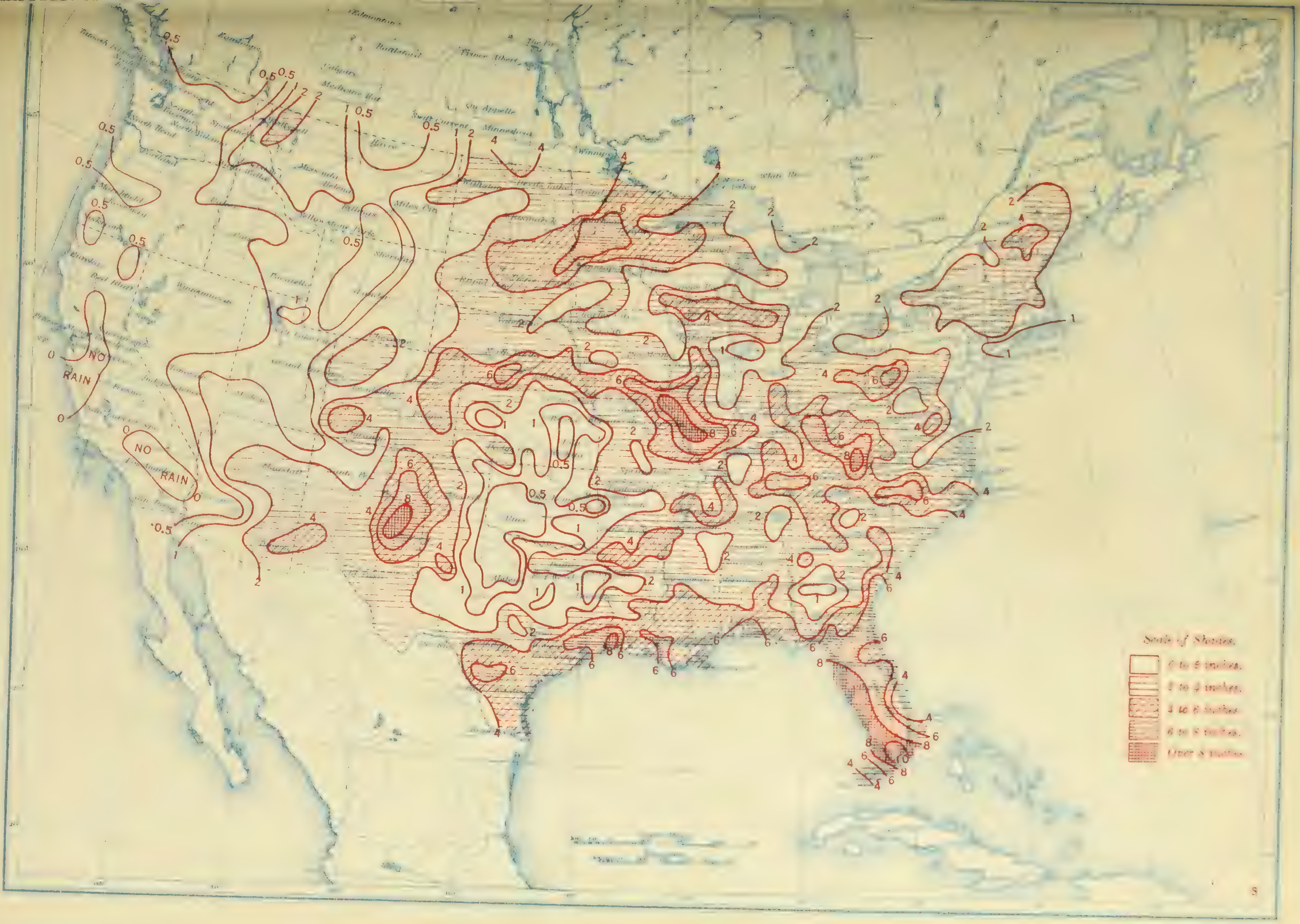
|||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

T. Trace, or less than 0.01 inch.

Daily temperatures for August, 1916.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek (near)	Maximum	80	80	82	78	78	73	78	72	73	63	60	70	70	72	69	74	70	72	74	75	64	64	75	78	76	75	77	78	74	72	77	73.3
	Minimum	44	42	46	39	48	36	44	40	34	40	40	32	35	34	36	36	34	30	30	31	25	30	32	33	45	41	44	38	50	42	41	37.8
Owyhee	Maximum	90	89	87	87	80	82	80	84	75	83	85	84	85	84	85	82	76	74	75	66	76	75	86	86	87	85	86	85	83	82	87	82.3
	Minimum	34	41	40	33	35	32	35	49	52	34	34	34	32	34	30	29	34	34	39	32	36	34	....	29	28	28	40	46	....	....	....	35.5
San Jacinto	Maximum	95	93	85	84	78	83	88	83	76	86	88	86	80	85	84	82	81	60	62	69	80	87	89	87	88	89	88	89	75	82	88	82.9
	Minimum	47	44	44	43	50	32	52	42	38	38	39	36	41	36	49	50	40	41	21	29	25	30	34	34	36	33	34	35	52	42	40	38.9
Humboldt Basin.																																	
Austin	Maximum	92	91	90	89	80	86	88	81	79	83	85	84	84	....	....	81	79	67	71	74	81	86	89	92	88	87	85	77	84	85	87	83.6
	Minimum	60	57	56	55	50	52	46	50	46	51	53	50	51	....	....	44	50	33	37	38	40	53	51	57	55	58	55	47	51	52	46	49.8
Battle Mountain	Maximum	107	103	102	103	107	101	101	100	97	96	99	100	102	100	102	99	89	80	88	88	90	102	100	98	98	96	90	100	102	98	99	98.0
	Minimum	45	45	41	43	48	41	44	43	42	41	43	47	41	40	43	49	48	35	36	37	37	45	43	42	46	53	49	50	49	43	50	43.8
Clover Valley	Maximum	92	91	90	87	82	82	87	81	86	84	83	84	83	81	81	80	79	67	70	73	76	81	85	86	85	83	85	81	74	79	85	82.0
	Minimum	54	51	52	48	54	43	50	50	44	42	49	48	47	49	50	46	50	45	34	40	34	38	43	46	47	52	45	48	48	44	47	46.4
Elko	Maximum	95	95	93	92	89	90	90	86	80	87	87	88	88	88	85	86	85	64	74	76	79	84	90	90	91	88	88	75	80	80	90	85.6
	Minimum	40	43	43	43	43	36	40	45	37	36	47	43	44	46	43	44	44	38	30	31	32	32	30	34	36	56	55	65	55	55	54	42.6
Eureka	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Imlay	Maximum	95	98	94	92	91	93	81	88	89	91	82	81	82	85	88	70	68	65	68	69	70	90	91	95	94	95	90	92	91	95	91	85.9
	Minimum	40	42	47	49	46	47	50	51	45	42	48	49	48	47	49	40	38	37	33	40	41	42	43	47	55	62	64	55	58	46	48	46.7
Paradise Valley	Maximum	93	96	91	90	86	88	90	83	79	88	88	88	79	88	86	85	69	66	73	75	82	89	98	97	94	90	91	87	79	88	91	86.0
	Minimum	40	39	42	42	43	37	42	42	38	40	46	45	39	46	42	42	47	23	27	27	29	36	39	50	44	44	41	47	54	41	44	40.6
Tecoma	Maximum	100	101	98	100	95	90	88	80	88	87	90	90	95	90	89	90	88	84	70	82	80	82	90	95	96	94	95	96	90	88	86	89.9
	Minimum	48	55	52	56	55	48	44	46	41	44	42	41	40	42	56	48	31	42	32	36	33	36	41	44	45	40	42	44	33	36	38	42.9
Wells	Maximum	95	93	92	90	87	86	89	85	80	85	86	87	85	88	85	83	80	71	73	79	80	82	90	89	88	89	87	85	85	87	88	85.5
	Minimum	35	37	45	45	38	45	49	37	33	34	33	30	40	41	42	40	34	29	34	30	27	34	24	32	28	29	28	30	32	31	30	34.7
Winnemucca	Maximum	94	96	93	90	84	90	89	83	82	89	88	87	84	89	86	84	74	63	72	76	81	90	94	95	95	92	91	85	81	89	93	86.4
	Minimum	45	45	47	47	49	43	45	45	47	43	50	49	50	55	51	49	43	30	39	39	40	42	45	49	50	55	46	53	56	45	49	46.5
Truckee Basin.																																	
Reno	Maximum	94	94	91	86	85	88	83	80	82	89	84	85	86	81	78	82	66	70	74	80	84	91	93	94	94	94	92	76	82	86	91	85.0
	Minimum	49	52	49	49	48	49	49	48	48	51	59	49	47	53	56	48	48	39	38	39	40	47	52	51	54	57	54	53	48	52	53	49.3
Fallen Leaf, Cal.	Maximum	86	86	85	80	78	89	76	75	70	74	72	75	78	88	64	69	71	60	68	70	72	76	78	80	79	79	76	71	68	75	80	75.7
	Minimum	55	61	45	60	45	44	55	50	42	46	47	41	42	50	38	38	42	33	36	35	42	44	44	46	48	50	55	40	45	46	47	45.5
Tahoe, Cal.	Maximum	81	80	80	77	74	75	74	69	70	74	70	73	71	70	66	69	57	61	63	67	62	77	80	79	81	77	74	66	69	74	75	72.1
	Minimum	39	39	36	38	31	38	38	34	35	41	42	35	35	46	42	39	43	30	32	32	34	37	36	40	41	34	44	50	43	42	43	38.4
Carson Basin.																																	
Fallon ¶¶	Maximum	96	98	96	95	87	93	94	87	86	91	89	89	89	87	82	87	80	68	76	78	84	91	93	95	95	95	94	86	85	89	95	88.7
	Minimum	53	50	51	49	47	45	44	44	49	48	59	52	48	55	53	48	52	37	36	39	37	43	45	46	50	52	50	61	49	53	54	48.4
Gardnerville	Maximum	87	87	87	....	....	....	83	78	78	83	79	....	....	80	74	77	76	75	....	....	....	85	....	86	87	....	81	80	76	82	84	81.2
	Minimum	44	44	43	....	....	....	40	41	40	44	43	....	....	42	42	41	43	39	....	....	....	34	....	42	44	....	46	40	42	48	49	42.4
Lahontan	Maximum	95	99	97	94	87	93	92	88	86	91	89	87	87	97	83	85	76	70	75	78	86	92	95	96	96	95	94	85	85	87	94	88.8
	Minimum	63	62	65	64	60	57	60	58	55	60	63	58	63	66	61	54	61	41	45	45	52	56	58	65	63	62	64	61	54	59	63	58.6
Walker Basin.																																	
Mina	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Yerington	Maximum	94	95	92	88	90	94	90	93	86	90	93	88	75	86	90	88	86	89	92	76	87	94	91	89	90	86	93	91	88	79	92	88.9
	Minimum	71	49	50	69	68	72	60	40	36	41	37	44	47	68	55	65	45	34	76	35	47	54	57	66	75	64	72	75	38	45	35	54.5
Bridgeport, Cal.	Maximum	84	85	85	80	80	82	80	77	79	80	79	88	80	76	70	75	77	67	68	70	77	84	86	85	85	82	67	69	73	75	79	78.2
	Minimum	37	38	39	49	35	34	34	33	31	35	34	36	33	41	34	28	40	29	28	27	28	31	32	36	36	38	49	48	33	35	36	34.4
Colorado Basin.																																	
Las Vegas	Maximum	100	99	103	97	100	103	99	99	97	97	100	99	99	97	98	95	96	92	95	98	96	99	102	91	99	102	98	99	97	100	101	98.3
	Minimum	75	71	70	68	65	69	68	75	59	55	54	65	64	54	55	55	53	54	55	56	56	57	58	70	65	67	65	64	64	63	63	62.3
Logan	Maximum	104	105	105	105	101	103	106	104	100	101	104	82	95	100	98	97	99	95	99	100	100	104	107	93	100	102	101	101	98	100	104	100.4
	Minimum	75	78	74	70	72	72	72	66	54	56	57	62	63	67	64	60	56	56	55	55	58	58	60	70	68	66	68	63	65	64	63	64.1
Pioche	Maximum	90	87	87	81	83	85	84	80	83	85	80	63	86	85	79	78	78	70	69	79	69	82	83	88	85	88	82	90	85	80	80	81.4
	Minimum	61	56	57	55	55	55	55	50	50	51	49	49	53	53	59	56	51	40	49	53	54	56	60	62	60	70	63	70	52	47	53	55.0
Minor Basins.																																	
Cherry Creek	Maximum	94	95	94	84	82	83	89	83	76	86	83	81	86	81	82	80	78	69	67	72	79	81	85	88	85	89	86	74	67	75	84	81.9
	Minimum	63	60	62	61	59	49	56	60	44	49	45	50	55	57	58	47	56	47	43	44	40	41	47	50	52	51	49	56	49	51	46	51.5
Columbia	Maximum	94	95	91	93	89	90	90	86	86	86	84	88	85	83	80	82	81	75	81	81	86	89	92	91	90	91	88	77	80	86	88	86.4
	Minimum	61	66	60	65	56	55	59	53	52	51	48	51	52	51	55	48	53	45	44	45	46	51	53	58	58	61	57	54	52	54	58	53.9
Gerlach	Maximum	94	97	93	92	89	93	90	86	86	91	90	89	88	88	86	84	83	73	76	77	82	93	94	98	97	95	94	92	84	90	92	88.9
	Minimum	51	45	49	52	49	45	50	44	46	48	58	55	52	54	43	49	43	40	43	44	43	45	41	46	49	65	52	59	53	49	47	48.7
Lida	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
McDermitt	Maximum	89	92	88	86	80	85	85	80	82	86	93	86	83	87	85	82	69	61	69	71	82	87	91	91	91	88	90	88	88	87	90	84.3
	Minimum	49	56	50	46	41	43	49	46	45	49	60	50	50	55	56	49	48	31	32	36	41	50	55	54	55	52	54	53	53	49	53	48.7
McGill	Maximum	93	91	91	88	86	86	87	90	88	84	88	86	86	86	85	83	83	79	77	79	83	87	89	89	90	89	88	80	76	80	86	85.6
	Minimum	65	63	62	59	62	50	60	64	64	49	50	46	44	62	60	51	51	49	42	41	44	44	47	50	59	59	50	56	50	46	50	53.2
Millett	Maximum	92	90	92	92	85	86	89	84	81	86	83	86	84	84	79	82	82	74	75	78	83	85	88	89	88	84	79	80	81	87	88	84.4
	Minimum	47	50	51	48	50	44	54	51	40	45	41	42	38	48	48	38	55	41	35	34	36	35	39	41	47	44	45	45	40	42	44	43.8
Oasis Ranch	Maximum	97	91	91	98	85	98	96	89	85	86	93	95	88	86	82	84	85	79	81	80	85	85	90	95	88	94	85	71	78	89	89	88.0
	Minimum	60	60	63	59	54	47	54	52	50	44	58	45	44	52	49	44	51	45	42	45	47	43	46	50	54	57	55	54	48	50	55	50.9
Rebel Creek	Maximum	92	93	92	89	86	87	87	85	81	87	88	86	88	80	85	87	88	63	70	72	81	88	91	92	90	90	89	86	80	87	91	85.5
	Minimum	53	50	53	49	55	46	52	45	47	47	48	49	50	48	49	52	48	33	33	42	42	47	53	58	56	54	56	57	56	51	54	49.5
Rhyolite	Maximum	97	90	92	93	97	95	87	93	87	80	81	84	90	87	77	79	77	74	78	80	84	85	89	95	87	82	75	77	85	84	87	85.4
	Minimum	64	66	60	65	59	64	60	58	52	50	52	56	55	53	49	47	50	48	49	50	54	55	56	65	57	58	50	50	55	57	55	55.5
Sand Pass	Maximum	93	96	93	90	87	92	88	83	85	90	87	86	82	84	82	84	73	67	74	78	84	92	94	96	96	96	96	81	86	90	91	87.0
	Minimum	50	50	52	69	55	52	51	64	60	55	65	54	47	68	55	57	52	34	49	61	54	48	50	57	57	70	69	58	54	57	55	55.8
Searchlight	Maximum	92	93	91	92	96	97	97	96	91	89	93	84	90	92	88	88	88	87	88	90	89	96	95	85	90	91	93	93	91	90	96	91.3
	Minimum	71	74	71	69	70	71	72	71	64	63	61	69	64	69	61	58	63	58	59	63	62	67	73	70	70	67	71	65	73	67	72	67.0
Sharp	Maximum	90	88	88	87	87	86	87	84	84	82	85	85	83	85	80	80	70	74	80	81	82	85	88	87	88	86	86	75	75	80	84	83.3
	Minimum	57	57	56	57	62	59	54	54	58	54	46	48	50	50	44	44	40	28	40	46	43	42	50	52	50	52	51	52	56	52	54	50.3
Sulphur	Maximum	94	96	93	91	87	91	90	83	85	90	88	87	84	89	87	85	83	66	72	76	85	90	94	96	96	94	94	90	93	90	92	88.1
	Minimum	54	48	52	55	52	46	50	51	48	49	51	52	45	48	51	50	51	34	37	37	42	41	44	46	50	52	53	56	57	50	54	48.6
Tonopah	Maximum	90	87	87	86	81	83	83	80	78	80	77	81	79	77	73	76	75	67	74	73	80	82	86	85	85	84	82	68	74	80	81	79.8
	Minimum	68	65	63	65	59	61	63	59	55	59	58	59	55	59	55	54	51	40	47	49	52	58	65	61	59	60	53	51	51	61	59	57.2

¶¶ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
NO RAIN
NO RAIN
Winnipeg

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U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

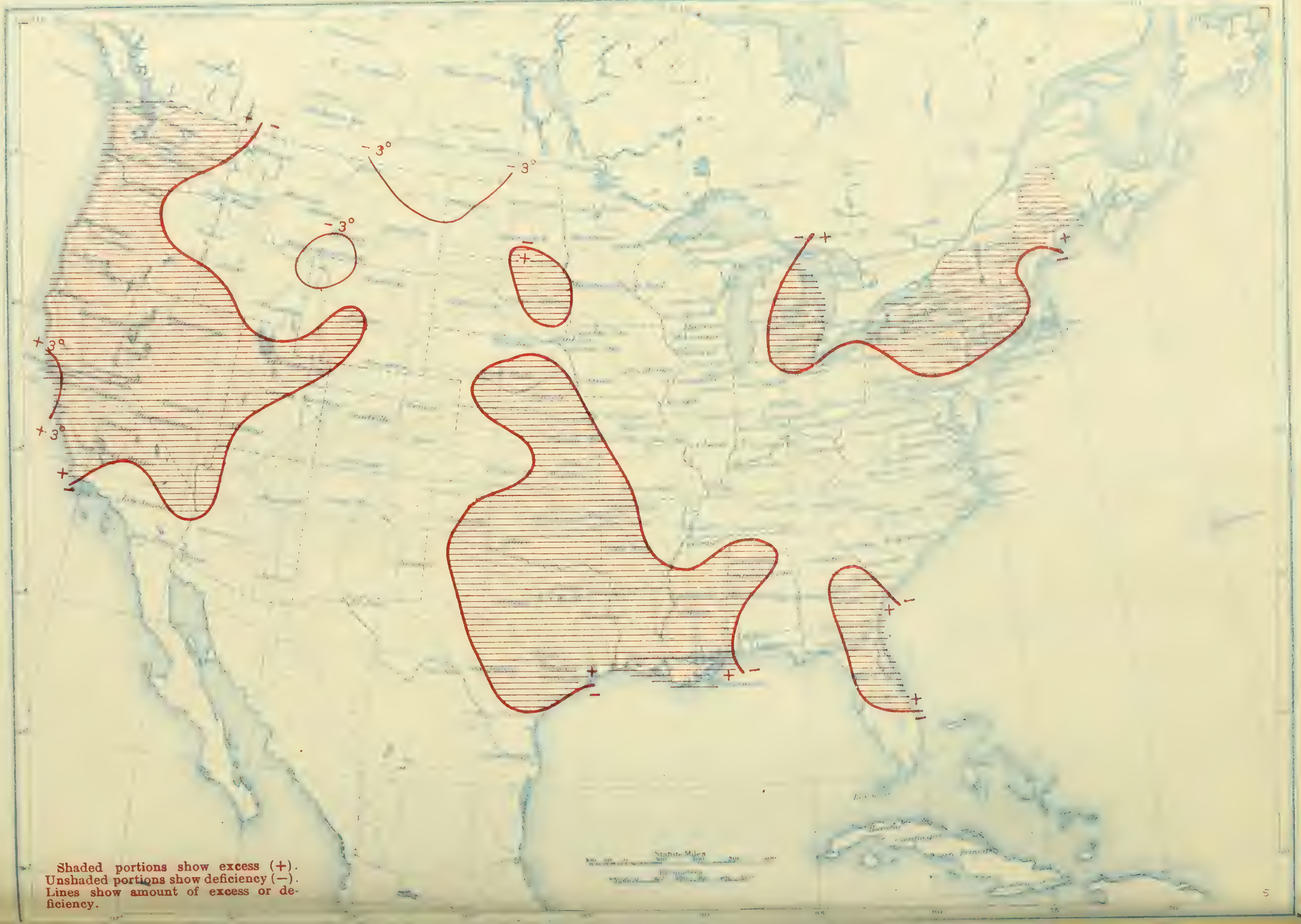
NEVADA SECTION

SEPTEMBER, 1916

BY
HENRY F. ALCIATORE
METEOROLOGIST.

RENO, NEVADA
WEATHER BUREAU OFFICE
OCTOBER 18, 1916.

Departure of the Mean Temperature from the Normal, September, 1916.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALCIATORE, Meteorologist.

Vol. XXXI. Reno, Nevada, September, 1916. No. 9.

GENERAL SUMMARY.

One of the longest summer drouths of record was broken by light but fairly general rains on the 21st and 22d. Only a few scattered showers had occurred during the first three weeks of the month. The monthly rainfall was from 1.00 to 1.28 inches at a few places in the central and western counties, but less than one inch over the greater part of the State, and at a few places there was none at all. For the State as a whole the rainfall was about normal. The day temperatures were quite high on the 1st, 2d, 13th, and 14th. A severe freeze occurred in the second decade, with minimum temperatures ranging from 16° to 32° in all but the extreme southern districts. The mean temperature for the Section as a whole was nearly normal. The amount of sunshine received was considerably above the average. On the whole, the weather was favorable for harvesting operations.

Mr. E. C. Paxton, Field Agent for Nevada, says: "September was very favorable for harvesting small grains. The outcome of the oats, wheat, and barley harvest was fully up to the promise of a month ago. The preliminary forecasts on production of grains as released this month may be revised later if the final outcome of threshing justifies. The quality of the grain is good throughout the State. Potato digging is well under way in most of the commercial sections. The yield is proving very satisfactory. The quality is excellent. General rains the last week in September relieved the water situation on the ranges but came too late to be of material benefit to the forage. Cattle and sheep are coming from the summer range thinner than usual. The winter ranges are reported to have a fairly good crop of well-matured forage. The recent rains have put the soil in fine condition for fall plowing and for the sprouting of fall grain. The preliminary estimate of 552,000 tons of all tame hay is 145,000 tons less than the average yearly production since 1911. The largest crop of recent years was that of 1914, which amounted to 803,000 tons. This does not include wild, prairie, or salt grasses."

TEMPERATURE.

The monthly mean for the State, as shown by the records of 43 stations, was 61.6°. The mean for the 24 stations having ten or more years' record was normal. The highest recorded was 106°, at Logan on the 1st; the lowest was 16°, at San Jacinto and Potts on the 11th. The greatest daily range was 67°, at Beowawe on the 25th. The highest monthly mean was 76.8°, at Logan; the lowest was 52.1°, at Marlette Lake.

PRECIPITATION.

The average for 52 stations reporting was 0.32 inch. For the 27 stations having ten or more years' record, the mean was 0.04 inch below the normal. The average amount at 4 stations in the Columbia Basin was 0.13 inch; at 17 stations in the Humboldt Basin, 0.33 inch; at 6 stations in the Truckee Basin, 0.64 inch; at 5 stations in the Carson Basin, 0.66 inch; at 4 stations in the Walker Basin, 0.52 inch; at 4 stations in the Colorado Basin, 0.30 inch; at 19 stations in the minor basins, 0.22 inch. The greatest monthly fall was 1.28 inches, at Austin; there was none at 5 stations. The average number of days with precipitation was 1.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric pressure (sea level)			Mean relative humidity		Average hourly velocity	Wind		
							Max. velocity		
	Mean	Highest	Lowest	8 a. m.	8 p. m.		Miles per hour	Direction	Date
Reno	29.92	30.21	29.57	60	21	5.9	[illegible]	w.	[illegible]
Winnemucca	29.98	30.41	29.52	58	20	5.5	28	sw.	[illegible]
Tonopah	29.92	30.27	29.61	37	21	8.6	31	nw.	[illegible]

SUNSHINE AND CLOUDINESS.

At Reno, 89 per cent of the possible sunshine was recorded; at Winnemucca, 95 per cent; at Tonopah, 97 per cent. For the State, the average number of clear days was 24; partly cloudy, 4; cloudy, 2.

MISCELLANEOUS PHENOMENA.

(Dates of.)

Solar halos.—24.

Brisk winds.—1, 2, 5, 6, 7, 8, 9, 25, 26, 27.

Thunderstorms.—8, 10, 16, 18, 21, 22, 30.

Sleet.—22.

Hail.—Metropolis, 10; Eureka, 22.

EVAPORATION.

The total evaporation as recorded at Indian Springs was 9.881 inches; at Lamoille, 6.748; at Tahoe, Cal., for 28 days, 4.590; at Marlette Lake, for 14 days, 2.647.

COMPARATIVE DATA FOR SEPTEMBER.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	61.7	110	13	0.16	0	1	22	4	4	sw.
1890	64.2	110	18	0.81	0	3	17	6	7	s.
1891	58.9	98	5	0.94	0.2	5	15	7	8	sw.
1892	62.8	109	15	0.09	0	1	20	5	5	sw.
1893	57.5	99	16	0.51	T.	3	16	7	7	sw.
1894	58.8	96	10	0.35	0.6	2	21	4	5	w.
1895	59.9	106	0	0.27	0.3	1	20	4	3	w.
1896	58.3	102	15	0.35	T.	2	17	7	6	sw.
1897	60.4	105	21	0.16	0	1	18	7	5	w.
1898	61.1	97	18	0.20	T.	1	22	4	4	w.
1899	63.0	98	24	0.05	0	0	24	3	3	w.
1900	56.1	99	17	0.30	0.4	2	19	5	6	sw.
1901	56.2	95	20	0.39	2.2	2	21	5	4	sw.
1902	61.7	113	10	0.21	0.2	2	19	5	6	sw.
1903	60.2	114	17	0.18	T.	1	22	5	3	sw.
1904	60.4	103	19	0.93	0.1	4	17	5	8	s.
1905	61.1	103	19	0.51	0.7	1	19	5	6	sw.
1906	60.2	103	18	0.30	T.	2	20	6	4	w.
1907	59.9	108	12	0.35	0.4	2	20	6	4	s.
1908	59.8	108	6	0.82	0	3	17	7	6	w.
1909	60.8	100	16	0.73	0	3	16	8	6	w.
1910	61.5	108	20	0.73	0	2	21	4	5	w.
1911	57.5	107	10	0.35	0	1	19	6	5	w.
1912	56.6	98	8	0.36	0.4	2	20	5	5	w.
1913	61.4	107	10	0.46	T.	1	21	6	3	w.
1914	58.9	103	17	0.45	0.3	2	19	7	4	sw.
1915	60.7	104	19	0.48	0.1	2	22	5	3	w.
1916	61.6	106	16	0.32	T.	1	24	4	2	sw.
Entire period	60.0	114	0	0.42	0.2	2	20	5	5	w.

LATE REPORTS.

August, 1916.—Owyhee, total precipitation, 0.46 inch; number of days with precipitation, 3.

Climatological data for September, 1916.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days.				Prevailing direction of the wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	3	53.2	......	79	†2	21	11	55	3	T.	......	T.	T.	0	22	8	0	n.	U. S. Forest Service.
Jack Creek**	do	6,300	......	......	......	......	......	......	......	......	3	0.39	......	0.39	T.	1	24	6	0	w.	C. E. Butler.
Owyhee	do	5,400	5	56.8^{d}	......	89	†2	25^{h}	†11	50^{h}	5	0.02	......	0.02	0	1	21	5	4	......	Indian Service.
San Jacinto	do	5,200	11	55.0	+0.8	90	1	16	11	58	11	0.10	−0.57	0.10	T.	1	21	7	2	n.	Utah Construction Co.
Humboldt Basin.																					
Arthur	Elko	6,500	......	......	......	......	......	......	......	......	6	0.42	−0.30	0.42	0	1	28	2	0	......	Isaac Woodhouse.
Austin	Lander	6,594	27	59.3	+0.2	87	1	30	10	49	27	1.28	+0.80	0.80	0	3	19	8	3	......	Forest Service.
Battle Mountain	do	4,513	45	......	......	......	......	......	......	......	47	......	......	......	......	......	......	......	......	......	Southern Pacific Co.
Beowawe	Eureka	4,695	45	58.2	−3.6	94	1	20	†7	67	47	0.12	0.12	0.12	0	1	15	9	6	sw.	Do.
Clover Valley**	Elko	6,000	15	58.0	+0.4	87	1	21	11	50	23	0.05	−0.49	0.05	0	1	21	5	4	......	I. F. Wiseman.
Elko	do	5,063	45	57.1	+0.2	90	†1	20	11	63	46	0.20	−0.24	0.20	0	1	18	1	11	sw.	Western Pacific Co.
Eureka	Eureka	6,837	18	61.2	−0.1	94	1	25	11	47	20	0.53	−0.15	0.43	0	2	24	5	1	s.	Clay Simms.
Golconda	Humboldt	4,392	37	59.0	−0.7	87	17	27	10	46	39	0.38	+0.08	0.38	0	1	24	5	1	......	Southern Pacific Co.
Hylton**	Elko	7,081	......	......	......	......	......	......	......	......	6	0.23	......	0.23	0	1	29	0	1	......	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	3	60.6	−0.6	89	†1	23	11	57	3	1.00	+0.78	1.00	0	1	23	5	2	......	Southern Pacific Co.
Lamoille	Elko	6,100	1	59.0	......	87	1	30	28	44	1	0.19	−0.18	0.19	0	1	......	......	......	sw.	Elko-Lamoille Power Co.
Metropolis §	do	5,661	......	......	......	......	......	......	......	......	7	0.35	+0.16	0.35	0	1	24	3	3	......	L. F. Hatch.
North Fork	do	6,500	......	......	......	......	......	......	......	......	7	0.24	......	0.24	0	1	19	4	7	w.	Chas. Pratt.
Paradise Valley	Humboldt	4,500	3	56.8	......	91	1	23	11	58	7	0.07	......	0.07	0	1	26	2	2	sw.	R. M. Taylor.
Potts	Nye	6,002	23	55.3	−0.1	83	2	16	11	59	25	0.13	−0.17	0.06	0	3	18	3	9	s.	Miss Maud Potts.
Tecoma	Elko	4,812	38	57.8	−1.4	90	†1	20	11	61	40	0.00	−0.38	0.00	0	0	18	11	1	......	Southern Pacific Co.
Wells	do	5,631	44	54.4^{f}	−3.2	90^{f}	2	19^{f}	10	62^{f}	47	0.10	−0.09	0.10	0	1	......	......	......	......	Do.
Winnemucca	Humboldt	4,344	39	59.1	−1.4	92	1	26	11	55	47	0.26	−0.08	0.26	0	1	27	1	2	ne.	U. S. Weather Bureau.
Truckee Basin.																					
Franktown §	Washoe	5,054	1	58.2	−2.1	87	†14	26	11	49	1	0.42	−0.25	0.42	0	2	26	1	3	......	Agent V. & T. Ry.
Marlette Lake**	Douglas	7,900	1	52.1^{l}	......	76^{l}	28	31^{m}	27	36^{m}	3	1.22	......	0.92	0	3	......	......	......	e.	V. & G. H. Water Co.
Reno	Washoe	4,532	29	61.7	+2.0	89	14	33	11	46	29	0.35	+0.08	0.33	0	3	24	4	2	w.	U. S. Weather Bureau.
Bijou, Cal.		6,230	......	......	......	......	......	......	......	......	7	0.99	......	0.85	0	3	24	3	3	n.	Chas. Young.
McKinney, Cal.		6,225	......	......	......	......	......	......	......	......	7	0.56	......	0.56	0	1	28	1	1	sw.	Fred Jensen.
Tahoe, Cal.		6,230	8	51.2	......	75	†13	28	24	42	8	0.28	......	0.28	0	1	21	6	3	w.	Mrs. Emma C. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	22	61.2	+0.3	91	1	28	11	49	22	0.75	+0.56	0.70	0	2	27	1	2	n.	U.S. Experiment Station.
Gardnerville	Douglas	4,830	25	58.2^{k}	−2.5	82^{k}	†14	28^{k}	12	53^{k}	26	0.52	+0.29	0.52	0	1	......	......	......	w.	Forest Service.
Lahontan**	Churchill	4,200	4	66.0	......	93	1	37	11	39	6	0.58	......	0.58	0	1	27	1	2	w.	U.S. Reclamat'n Service.
Markleeville, Cal.		5,525	......	......	......	......	......	......	......	......	7	0.74	......	0.56	0	2	24	3	3	s.	Mrs. Mary Thornburg.
Woodfords, Cal.**		5,634	......	......	......	......	......	......	......	......	7	0.70	......	0.50	0	2	24	4	2	sw.	Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	9	64.7	−1.4	96	1	29	8	61	20	1.00	+0.69	0.90	0	2	29	0	1	......	Southern Pacific Co.
Smith	Lyon	4,800	......	......	......	......	......	......	......	......	8	......	......	......	......	......	......	......	......	......	C. M. Carter.
Thorne §	Mineral	4,200	3	68.4	+2.8	90	10	42	†21	47	3	0.57	+0.36	0.42	0	2	8	21	1	w.	Southern Pacific Co.
Yerington §	Lyon	4,375	7	......	......	......	......	......	......	......	7	......	......	......	......	......	......	......	......	......	High School.
Bridgeport, Cal.		6,500	3	49.9	......	80	†1	17	11	58	5	0.30	......	0.20	0	2	18	7	5	w.	Geo. Delury, jr.
Shields Ranch, Cal.**		5,300	......	......	......	......	......	......	......	......	7	0.20	......	0.09	0	3	20	7	3	......	Frank W. Chichester.
Colorado Basin.																					
Indian Springs §**	Clark	3,136	3	72.1^{j}	......	98^{j}	1	47^{j}	†25	44^{j}	3	......	......	......	......	......	......	......	......	se.	Ira McFarland.
Las Vegas	do	2,033	14	76.2	−4.0	104	1	44	12	48	14	0.55	+0.22	0.40	0	2	24	3	3	s.	C. P. Squires.
Logan §	do	1,355	9	76.8	−0.2	106	1	46	12	50	17	0.10	−0.35	0.10	0	1	22	8	0	......	Experiment Farm.
Mt. Charleston**	do	9,000	......	......	......	......	......	......	......	......	1	0.50	......	0.50	0	2	28	2	0	......	E. W. Griffith.
Pioche	Lincoln	6,100	18	61.9	−0.8	88	3	36	11	36	18	0.04	−0.59	0.02	0	2	24	5	1	......	M. L. Lee.
Minor Basins.																					
Belmont	Nye	8,540	16	......	......	......	......	......	......	......	16	......	......	......	......	......	......	......	......	......	Monitor-Belmont M. Co.
Cherry Creek	White Pine	6,450	8	58.6	......	86	1	21	11	47	8	0.21	......	0.21	0	1	25	4	1	w.	J. H. Leishman.
Duck Flat**	Washoe	4,725	......	......	......	......	......	......	......	......	2	T.	......	T.	0	0	24	6	0	w.	H. J. Muller.
Francis (near)	do	5,350	......	......	......	......	......	......	......	......	2	0.73	......	0.53	0	2	27	2	1	sw.	Geo. W. Barnard.
Gerlach	do	3,931	4	61.4	......	91	1	29	11	56	4	0.00	......	0.00	0	0	26	0	4	sw.	Western Pacific Co.
Goldfield	Esmeralda	5,700	9	63.8	......	88	†1	33	11	44	11	0.25	......	0.23	0	2	21	7	2	se.	R. W. Robinson.
Jungo	Humboldt	4,165	......	......	......	......	......	......	......	......	3	0.40	......	0.40	0	1	22	5	3	sw.	Western Pacific Co.
Lida §	Esmeralda	6,037	4	......	......	......	......	......	......	......	4	......	......	......	......	......	......	......	......	......	L. F. Detwiler.
McDermitt	Humboldt	4,700	5	59.5	−1.5	88	†1	27	†10	45	29	0.01	−0.33	0.01	0	1	24	4	2	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	6	61.9	+6.4	87	1	25	11	46	6	0.08	−0.57	0.08	0	1	25	4	1	n.	R. E. Middagh.
Millett	Nye	5,040	8	57.5	......	89	13	20	11	58	9	0.45	......	0.25	0	2	23	4	3	......	Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	4	62.0	+2.7	98	1	31	11	45	4	0.06	−0.31	0.04	0	2	20	10	0	s.	Arthur L. Stewart.
Pahrump	Nye	2,608	3	69.0	......	100	1	34	10	58	3	0.00	......	0.00	0	0	27	2	1	se.	F. M. Buol.
Quinn Riv. Ranch**	Humboldt	4,850	14	......	......	......	......	......	......	......	15	......	......	......	......	......	......	......	......	......	F. M. Payne.
Rebel Creek	do	4,300	4	61.4	......	90	21	32	11	44	5	0.08	......	0.08	0	1	19	7	4	sw.	Fred Whitaker.
Rhyolite	Nye	3,680	3	64.4	......	88	1	40	26	35	3	0.30	......	0.30	0	1	24	5	1	s.	Secretary School Board.
Sand Pass**	Washoe	4,198	3	65.1	......	91	15	36	11	45	3	0.14	......	0.14	0	1	26	2	2	w.	R. R. Mott.
Searchlight	Clark	3,445	3	75.2	......	98	1	53	11	31	3	0.23	......	0.17	0	3	22	4	4	s.	C. L. Aug. Mahn.
Sharp	Nye	6,200	3	61.8	......	87	15	25	11	43	3	0.00	......	0.00	0	0	29	1	0	s.	F. A. Sears.
Sulphur	Humboldt	4,044	3	64.8^{b}	......	92^{m}	†1	31	11	51^{m}	3	1.08	......	1.08	0	1	......	......	......	sw.	Western Pacific Co.
Tonopah	Nye	6,090	11	63.4	......	82	1	39	11	30	11	0.17	......	0.25	0	3	26	3	1	se.	U. S. Weather Bureau.
Vya	Washoe	5,500	......	......	......	......	......	......	......	......	3	0.00	......	0.00	0	0	30	0	0	sw.	L. A. Mariette.
For the state				61.6	0.0	106	1	16	11	67	....	0.32	−0.04	1.08	T.	1	24	4	2	sw.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Jack Creek, Tuscarora; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of Lahontan, Hazen; of Woodfords, Cal., Sheridan, Nev.; of Shield's Ranch, Coleville, Cal.; of Indian Springs, Las Vegas; of Mt. Charleston, Las Vegas; of Duck Flat, Gerlach; of Oasis Ranch, Oasis, Cal.; of Quinn River Ranch, Amos; of Sand Pass, Sheepshead.

Reference letters, ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing, for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for September, 1916.

Stations.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Columbia Basin.																																
Gold Creek (near)								T		T																						T
Jack Creek								T	T														.39									0.39
Owyhee			.02																													0.02
San Jacinto				.10					T	T																						0.10
Humboldt Basin.																																
Arthur																						.42										0.42
Austin																						.47	.01							.80		1.28
Battle Mountain																																
Beowawe																					.12											0.12
Clover Valley																						.05								T		0.05
Elko																						.20										0.20
Eureka																						.43								.10		0.53
Golconda																					.38											0.38
Hylton																						.23										0.23
Imlay																						1.00										1.00
Lamoille ‖‖																						.19										0.19
Metropolis ‖‖										T												T								.35		0.35
North Fork																					.24											0.24
Paradise Valley					T																	.07	T	T						T		0.07
Potts																			.05		.02									.06		0.13
Tecoma																																0.00
Wells																						.10										0.10
Winnemucca***					T																	.26								T		0.26
Truckee Basin.																																
Franktown																						*	.42									0.42
Marlette Lake ‖‖																						.92	.30									1.22
Reno ***																					.13	.20								.02		0.35
Bijou, Cal																					.10	.85								.04		0.99
McKinney, Cal																						T	.56									0.56
Tahoe, Cal ‖‖																						.28										0.28
Carson Basin.																																
Fallon ‖																						.70	.05									0.75
Gardnerville																					T	.52								T		0.52
Lahontan																						.58										0.58
Markleeville, Cal																						.56								.18		0.74
Woodfords, Cal																					.50									.20		0.70
Walker Basin.																																
Mina																						.10								.90		1.00
Smith																																
Thorne																						.42								.15		0.57
Yerington																																
Bridgeport, Cal																					.20									.10		0.30
Shields Ranch, Cal																					.04	.09								.07		0.20
Colorado Basin.																																
Indian Springs ‖‖																																
Las Vegas								.40													T									.15		0.55
Logan																														.10		0.10
Mt. Charleston											T																		*	.50		0.50
Pioche									.02												.02											0.04
Minor Basins.																																
Belmont ‖‖																																
Cherry Creek																						.21										0.21
Duck Flat					T																									T		T
Francis (near)																						.53	.20									0.73
Gerlach																																0.00
Goldfield																						.23								.02		0.25
Jungo																						.40										0.40
Lida																																
McDermitt																						.01			T							0.01
McGill																						.08										0.08
Millett																						.20								.25		0.45
Oasis Ranch																						.02								.04		0.06
Pahrump																																0.00
Quinn River Ranch																																
Rebel Creek																						.08			T							0.08
Rhyolite																					T									.30		0.30
Sand Pass																						.14										0.14
Searchlight								T	.17									.04												.02		0.23
Sharp																																0.00
Sulphur																						1.08										1.08
Tonopah***																					.01	.13								.03		0.17
Vya ‖‖																																0.00

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight.

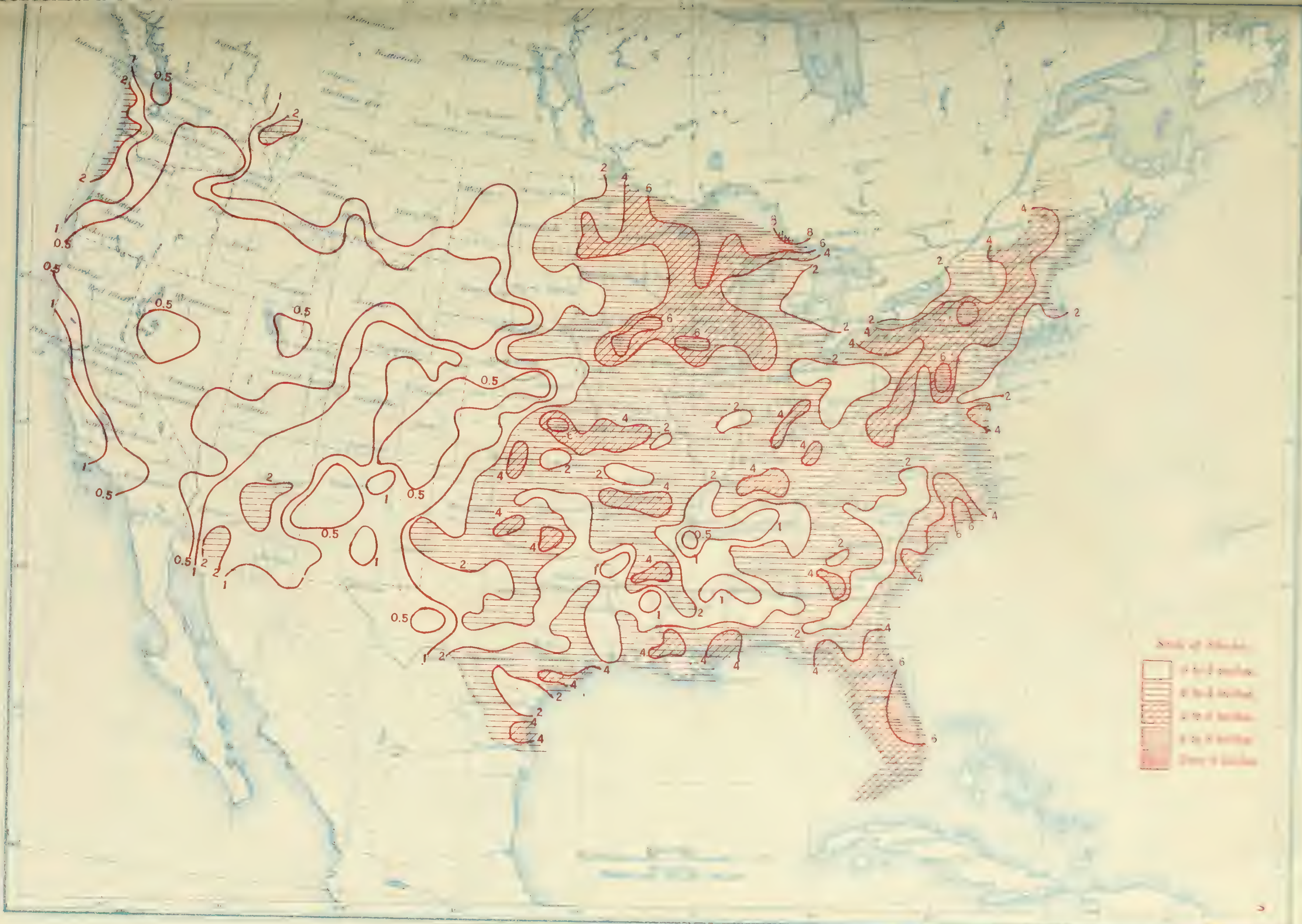
‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

T. Trace, or less than 0.01 inch.

Daily temperatures for September, 1916.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek (near)	Maximum..	78	79	76	75	76	78	79	74	76	74	76	72	72	73	74	74	71	73	72	72	75	73	60	65	64	69	56	68	72	71	....	72.2
	Minimum ..	52	39	30	30	35	34	36	34	32	33	21	22	37	32	34	41	35	40	39	35	40	43	34	34	28	27	34	25	37	34	....	34.2
Owyhee	Maximum.	88	89	89	74	73	76	82	77	71	71	70	80	78	80	81	80	81	82	79	82	83	79	78	81	77	64	65	75	79	76	....	78.0
	Minimum ..	....	....	....	....	....	....	....	....	33	30	25	33	32	33	34	40	43	55	36	33	34	53	41	31	32	25	35	30	34	40	...	35.5
San Jacinto	Maximum.	90	88	82	71	78	86	85	81	77	55	70	82	80	80	81	82	84	84	82	81	84	79	72	75	69	70	71	74	84	86	....	78.8
	Minimum ..	53	59	45	29	29	32	30	31	34	27	16	30	25	24	24	29	27	35	29	38	25	35	44	24	26	43	18	22	26	28	....	31.2
Humboldt Basin.																																	
Austin	Maximum .	87	84	79	79	76	80	83	78	73	58	73	80	84	84	84	....	....	....	81	83	80	64	68	74	64	62	70	78	79	73	....	76.2
	Minimum ..	45	35	37	44	45	47	49	47	39	30	33	43	47	43	49	....	....	....	47	46	53	44	41	42	40	33	37	39	47	42	....	42.4
Battle Mountain	Maximum.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum ..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Clover Valley	Maximum.	87	85	72	76	80	78	83	79	68	55	71	82	80	82	82	82	81	83	81	78	80	73	79	72	70	68	68	75	78	79	....	76.9
	Minimum ..	49	59	46	38	38	38	39	47	36	28	21	32	35	49	38	42	40	42	39	39	38	45	40	39	38	32	39	32	37	38	....	39.1
Elko	Maximum..	90	90	88	88	89	87	85	84	73	73	72	80	85	84	85	86	86	85	86	85	84	84	78	72	70	75	74	75	74	80	....	81.6
	Minimum .	45	45	43	41	42	40	30	30	33	22	20	22	22	45	42	43	44	36	38	34	33	32	29	26	22	24	24	23	22	26	....	32.6
Eureka	Maximum..	94	84	85	83	82	81	83	82	68	60	72	82	85	86	82	84	82	82	84	84	84	69	73	78	68	62	70	80	80	74	....	78.8
	Minimum ..	60	59	56	54	54	40	48	50	41	27	25	39	42	41	43	45	45	49	47	44	49	48	42	42	37	30	34	35	40	42	....	43.6
Imlay	Maximum..	89	82	80	82	85	82	85	84	78	70	62	84	87	84	83	84	86	89	86	86	85	80	81	80	75	76	72	81	83	76	....	81.2
	Minimum ..	50	52	42	40	42	40	42	44	40	33	23	27	31	38	43	40	36	40	36	38	42	40	42	48	47	46	34	42	38	40	....	39.9
Paradise Valley	Maximum..	91	84	80	78	80	80	88	77	71	63	73	83	86	87	88	87	89	85	85	85	89	75	68	78	71	72	72	77	83	77	....	80.1
	Minimum ..	43	36	31	30	40	34	34	33	30	24	23	25	33	33	38	34	47	34	36	36	33	51	34	30	30	25	34	26	32	34	....	33.5
Tecoma	Maximum..	90	88	82	80	82	85	82	85	72	70	71	72	86	85	87	90	89	87	88	90	89	80	80	82	80	76	71	68	71	84	....	81.4
	Minimum ..	42	40	34	32	33	34	36	44	30	22	20	27	25	27	36	40	37	36	39	33	38	36	40	36	31	35	45	31	33	38	....	34.3
Wells	Maximum..	....	90	82	78	78	78	85	82	80	79	....	....	....	....	82	....	82	82	82	80	83	76	70	72	80	79	68	75	76	78	....	79.0
	Minimum ..	....	50	30	25	20	21	23	24	25	19	....	....	....	....	30	....	31	40	30	25	31	43	40	43	24	20	41	29	24	29	....	29.9
Winnemucca	Maximum..	92	84	74	79	79	81	85	79	62	62	75	84	87	86	89	87	88	86	86	87	88	68	68	76	70	68	71	80	84	75	....	79,3
	Minimum ..	48	41	40	38	43	37	46	41	37	28	26	29	34	46	40	37	52	39	36	38	39	53	41	38	39	35	32	38	35	39	....	38.9
Truckee Basin.																																	
Franktown	Maximum..	83	73	77	74	75	79	78	73	70	69	74	84	84	87	85	84	82	84	83	87	85	67	69	77	77	76	75	82	81	71	....	78.2
	Minimum .	44	45	39	40	41	38	39	33	34	39	26	35	38	39	38	37	39	42	41	39	40	44	38	34	32	33	39	40	40	41	....	38.2
Reno	Maximum..	85	75	77	82	74	80	81	77	70	68	79	85	88	89	86	87	83	84	86	86	87	65	71	77	71	71	75	83	84	72	....	79.3
	Minimum ..	51	50	38	42	47	44	48	44	43	35	33	40	46	45	47	46	51	43	46	47	47	49	41	37	43	43	40	42	46	50	....	44.1
Tahoe, Cal.	Maximum..	74	66	66	71	64	68	69	66	65	59	69	72	75	75	75	74	74	71	73	74	73	54	60	63	59	59	61	73	69	61	....	67.7
	Minimum ..	39	46	29	33	35	35	34	34	32	29	29	35	35	35	33	34	37	35	36	37	38	39	32	28	34	33	34	35	35	39	....	34.6
Carson Basin.																																	
Fallon §§	Maximum..	94	86	76	81	82	82	89	83	70	68	75	85	88	87	89	89	87	86	86	87	86	61	72	75	72	67	74	81	85	76	...	80.6
	Minimum ..	52	43	37	41	46	44	42	39	40	32	28	36	41	41	40	44	49	42	43	43	46	46	44	41	41	43	39	38	43	46	....	41.7
Gardnerville	Maximum..	80	....	....	....	77	75	...	79	....	....	78	81	81	82	82	....	....	82	81	82	82	74	73	....	....	....	73	78	78	77	....	78.7
	Minimum ..	49	....	....	....	35	36	....	37	....	....	35	28	34	36	35	....	....	37	39	39	40	48	36	....	....	....	32	37	39	46	....	37.8
Lahontan	Maximum..	93	84	77	83	81	82	89	84	75	68	75	85	85	87	91	91	89	86	87	88	87	61	71	75	72	65	74	80	....	72	....	80.6
	Minimum ..	58	54	44	54	59	53	53	49	53	44	37	46	52	56	54	55	60	56	54	55	52	50	50	48	47	45	49	47	....	54	....	51.3
Walker Basin.																																	
Mina	Maximum..	96	93	86	87	88	88	91	90	85	83	78	90	92	92	69	90	92	88	89	91	88	78	80	82	76	73	78	86	87	86	....	85.7
	Minimum ..	55	46	45	47	53	46	52	29	45	39	30	35	35	41	39	44	43	44	50	45	44	54	40	46	44	45	39	46	46	44	....	43.7
Yerington	Maximum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum ..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Bridgeport, Cal.	Maximum..	80	72	76	78	69	77	78	74	70	65	72	77	79	79	78	80	78	76	73	73	61	61	64	68	68	62	69	75	70	74	....	72.5
	Minimum ..	39	34	26	28	27	30	28	26	26	22	17	22	25	26	29	22	27	28	29	30	31	41	26	23	22	32	21	25	28	30	....	27.3
Colorado Basin.																																	
Las Vegas	Maximum..	104	103	101	101	100	99	101	94	93	94	86	91	98	101	102	98	97	98	94	95	97	86	90	92	94	89	91	94	94	88	....	95.5
	Minimum ..	63	64	56	58	58	54	54	64	55	53	53	44	52	53	54	59	59	58	59	61	61	66	65	58	53	53	56	53	51	56	....	56.
Logan	Maximum..	106	104	102	103	100	100	99	95	95	90	87	95	101	104	101	98	96	97	100	98	98	90	89	94	94	92	93	95	94	89	....	96.
	Minimum ..	63	62	57	56	58	53	54	66	70	59	50	46	51	56	53	60	59	60	69	60	59	63	53	54	58	52	49	51	53	58	....	57.1
Pioche	Maximum..	80	76	88	73	75	77	72	67	75	74	72	75	77	70	81	76	73	72	70	73	80	70	66	74	70	76	72	77	80	81	....	74.
	Minimum ..	56	61	53	49	54	48	50	56	50	42	36	41	47	54	51	57	51	51	57	50	49	50	41	41	53	46	42	45	46	46	....	49.1
Minor Basins.																																	
Cherry Creek	Maximum..	86	83	76	80	81	80	71	80	70	55	68	81	80	79	78	80	78	76	78	80	77	67	68	67	78	68	69	74	76	75	....	75.
	Minimum ..	52	58	50	40	44	40	42	53	45	26	21	35	38	40	39	45	46	48	49	41	42	49	40	38	39	37	35	38	43	48	....	42.
Gerlach	Maximum..	91	90	83	80	81	79	81	80	78	75	75	86	90	89	89	89	88	85	87	89	88	85	70	76	71	72	72	81	85	84	....	82.
	Minimum ..	44	41	45	41	53	49	45	41	36	32	29	30	38	37	38	42	54	39	40	39	44	47	44	40	40	41	35	36	38	40	....	40.
Goldfield	Maximum..	88	85	80	84	83	84	82	84	75	69	75	83	87	87	88	86	83	82	83	84	82	72	76	77	71	67	76	80	82	72	....	80.
	Minimum ..	57	60	47	46	50	46	53	54	49	39	33	41	43	47	49	48	55	50	50	51	51	43	42	47	45	45	41	43	47	52	....	47.
Lida	Maximum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum ..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
McDermitt	Maximum..	88	85	71	76	78	80	84	75	66	61	74	82	84	85	88	86	87	84	83	84	88	80	67	72	68	69	70	77	81	73	....	78.
	Minimum ..	50	45	38	33	45	44	49	39	40	27	32	37	46	48	43	41	56	43	46	46	47	44	32	36	37	27	33	36	40	44	....	40.
McGill	Maximum..	87	85	79	81	81	81	83	82	76	62	71	82	85	86	85	82	82	81	83	82	82	72	72	76	73	68	75	78	81	75	....	78.
	Minimum ..	59	56	50	41	50	41	46	53	55	32	25	38	43	42	46	50	45	51	56	46	46	48	37	41	46	37	35	40	43	50	....	44.
Millett	Maximum..	87	86	79	80	82	82	84	84	71	65	73	82	89	85	83	83	84	82	83	85	82	71	75	88	69	67	75	80	82	73	....	79.
	Minimum ..	47	51	43	35	32	37	32	37	42	24	20	24	31	31	33	33	33	36	38	34	39	43	35	34	45	37	30	30	32	42	....	35.
Oasis Ranch	Maximum..	98	90	82	84	83	81	85	85	75	69	74	79	85	85	84	84	87	83	81	81	83	71	79	76	69	68	75	81	81	71	....	80.
	Minimum ..	55	54	45	40	44	44	50	49	42	38	31	36	40	40	42	44	48	46	43	45	48	45	38	41	46	43	42	39	41	50	....	43.
Rebel Creek	Maximum..	89	86	74	76	79	79	85	76	68	62	74	82	86	87	88	85	86	88	86	86	90	88	66	74	68	70	69	78	85	74	....	79.
	Minimum ..	54	48	43	38	44	43	45	46	41	36	32	38	44	44	48	48	46	48	43	45	48	54	36	37	40	37	44	38	45	46	..	43.
Rhyolite	Maximum..	88	83	80	82	80	80	83	78	76	73	75	78	81	83	87	83	87	81	80	79	78	75	73	74	70	67	78	80	77	74	....	78.
	Minimum ..	58	55	53	50	53	50	52	50	47	48	50	43	48	52	53	57	54	54	51	50	49	50	52	43	42	40	48	47	48	48	....	49.
Sand Pass	Maximum..	87	80	77	81	79	81	83	78	70	62	77	86	88	88	91	88	88	85	87	88	88	78	71	76	74	71	76	81	85	78	....	80.
	Minimum ..	45	42	40	43	66	68	45	45	61	40	36	41	45	56	46	50	61	58	65	47	49	54	50	40	42	41	38	54	57	52	....	49.
Sharp	Maximum..	82	83	80	82	80	82	82	82	75	65	68	80	84	84	87	84	82	80	82	81	81	82	76	76	76	68	74	76	80	74	....	78.
	Minimum ..	56	50	41	42	41	42	45	50	51	36	25	40	46	47	52	50	45	46	47	46	46	46	50	46	40	45	46	40	44	40	....	44.
Searchlight	Maximum..	98	95	93	93	91	92	90	82	85	85	76	86	94	95	93	90	90	90	89	88	89	81	85	87	85	82	87	88	85	78	....	88.
	Minimum ..	72	68	63	65	62	66	60	64	62	63	53	63	69	68	69	64	63	64	65	66	64	62	55	58	61	55	58	59	54	58	....	62.
Sulphur	Maximum..	92	92	....	....	....	92	92	92	92	90	72	85	90	91	92	88	88	88	....	....	....	....	....	....	....	....	....	....	83	72	....	87.
	Minimum ..	55	41	....	....	....	41	43	46	48	40	31	35	40	40	48	47	49	45	41	41	42	42	43	43	44	34	35	37	40	43	....	42.
Tonopah	Maximum..	82	79	73	78	77	78	77	79	65	62	69	78	81	82	81	80	77	76	78	78	74	61	72	71	65	63	72	75	75	64	....	74.
	Minimum ..	62	55	48	54	55	51	55	57	48	43	39	54	55	63	62	60	55	58	60	60	59	41	46	51	45	42	43	54	56	47	....	52.

§ Instruments are read in the morning, the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades
0 to 2 inches
2 to 4 inches
4 to 6 inches
6 to 8 inches
Over 8 inches

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NOV 20 1916

CLIMATOLOGICAL DATA

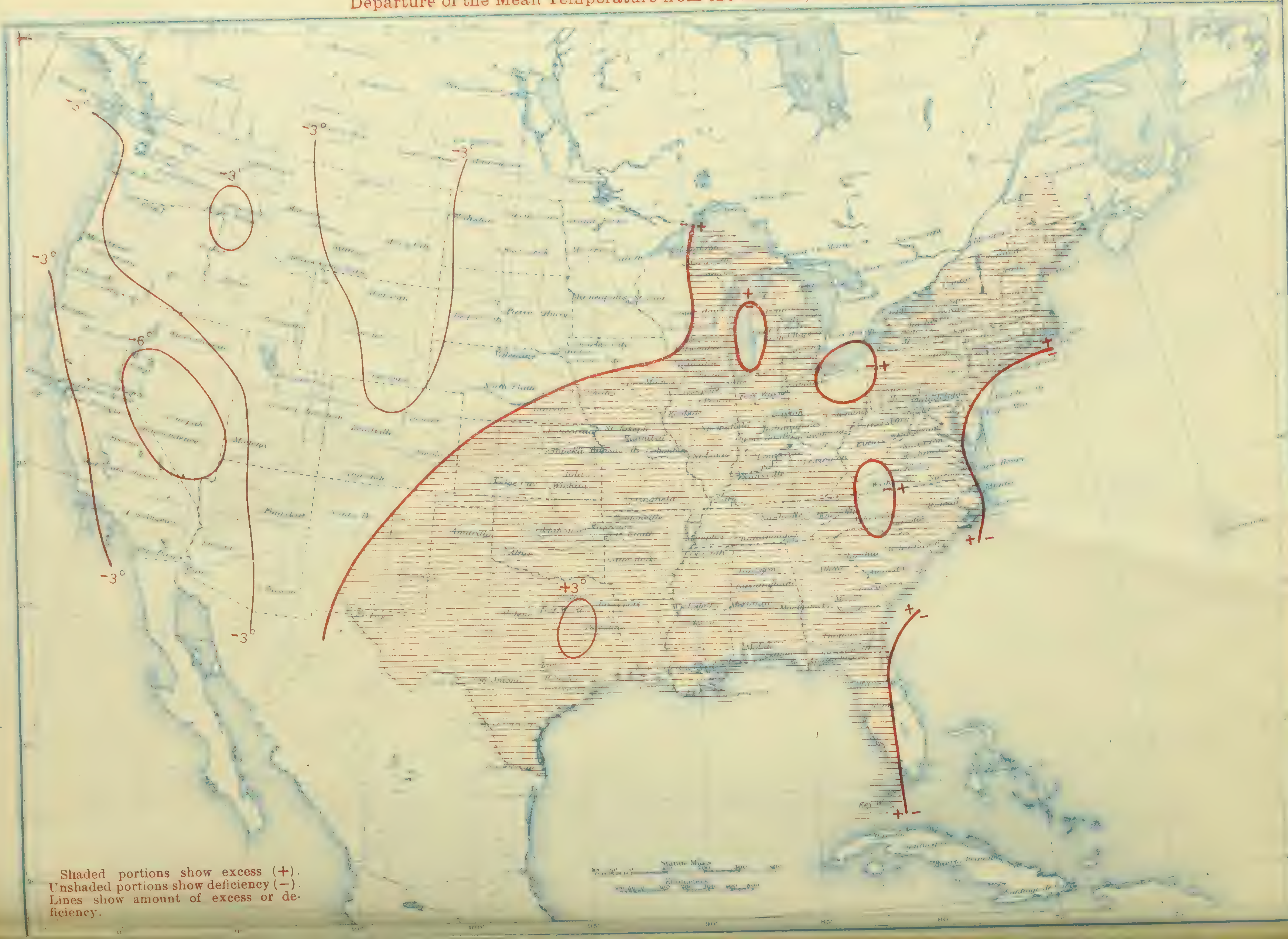
NEVADA SECTION

OCTOBER, 1916

BY
HENRY F. ALCIATORE
METEOROLOGIST.

RENO, NEVADA
WEATHER BUREAU OFFICE
NOVEMBER 15, 1916.

Departure of the Mean Temperature from the Normal, October, 1916.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALCIATORE, Meteorologist.

Vol. XXXI. Reno, Nevada, October, 1916. No. 10

GENERAL SUMMARY.

October was cold and unusually wet. Relatively low day temperatures prevailed in the first, and low night temperatures in the last decade. There was much cloudiness during the first ten days, but the rest of the month was fine, with quite a number of pleasant afternoons. Barring a few places in the eastern and southern counties, the mean temperature was below normal.

Considering the State as a whole, the month was the second wettest October on record. The precipitation was above the average in all watersheds, and in some parts of Nye, Lander, Eureka, Elko, and White Pine Counties the fall was from three to more than five hundred per cent of the normal. Snow occurred much earlier than usual, and in the central districts was quite heavy.

Mr. Edward C. Paxton, Field Agent for Nevada, says: "The ample rainfall in October put the soil in excellent condition for seeding and sprouting of fall grain, and for plowing. The latter part of October was very open and favorable for outdoor work and completion of harvest. Range conditions improved during the month. Abundance of water is assured on the winter pastures.

The outcome of potato harvest was better than condition reports a month ago indicated. The preliminary estimate of yield this year is 424,000 bushels more than last year's crop. The quality of the crop is above average, of excellent market size, and quite free from disease."

TEMPERATURE.

The monthly mean for the State, as shown by the records of 41 stations, was 46.3°. The mean for the 24 stations having ten or more years' record was 3.2° below normal. The highest recorded was 88°, at Las Vegas on the 18th; the lowest was 8°, at Elko on the 19th. The greatest daily range was 62°, at Beowawe on the 1st. The highest monthly mean was 60.9°, at Las Vegas; the lowest was 36.2°, at Marlette Lake.

PRECIPITATION.

The average for 50 stations reporting was 1.68 inches. For the 26 stations having ten or more years' record, the mean was 1.25 inches above the normal. The average amount at 3 stations in the Columbia Basin was 1.81 inches; at 15 stations in the Humboldt Basin, 2.15 inches; at 5 stations in the Truckee Basin, 2.13 inches; at 5 stations in the Carson Basin, 1.82 inches; at 4 stations in the Walker Basin, 1.38 inches; at 4 stations in the Colorado Basin, 1.13 inches; at 21 stations in the minor basins, 1.47 inches. The greatest monthly fall was 5.21 inches, at Lamoille; the least, 0.13 inch, at Searchlight. The average number of days with precipitation was 6.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric pressure (sea level)			Mean relative humidity		Average hourly velocity	Wind		
							Max. velocity.		
	Mean.	Highest.	Lowest.	[illegible]	[illegible]		Miles per hour	[illegible]	Date.
Reno	30.05	30.59	29.51	71	36	5.2	36	w.	1
Winnemucca	30.08	30.55	29.52	81	42	6.0	27	sw.	1
Tonopah	30.00	30.13	29.50	61	11	7.6	37	nw.	18

SUNSHINE AND CLOUDINESS.

At Reno, 68 per cent of the possible sunshine was recorded; at Winnemucca, 81 per cent; at Tonopah, 78 per cent. For the State, the average number of clear days was 19; partly cloudy, 5; cloudy, 7.

MISCELLANEOUS PHENOMENA.

(Dates of.)

Brisk winds.—1, 6, 9, 10, 13, 14, 15, 16, 18, 22, 23, 24, 27.

Thunderstorms.—1, 9, 10, 13.

Sleet.—1, 2, 3, 6, 12.

EVAPORATION.

The total evaporation as recorded at Indian Springs was 4.938 inches; at Lamoille, for 11 days, 0.990; at Tahoe, Cal., for 22 days, 2.620; at Marlette Lake, for 7 days, 0.536.

COMPARATIVE DATA FOR OCTOBER.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	52.2	103	14	1.48	0.8	6	10	9	12	w.
1890	50.5	92	8	0.25	1.1	2	21	6	4	nw.
1891	51.2	88	0	0.04	0.3	0	22	5	4	s.
1892	47.5	91	2	0.32	0.2	3	15	7	9	sw.
1893	48.9	94	8	0.12	T.	1	19	6	6	sw.
1894	51.7	94	5	0.33	0.0	2	22	4	5	sw.
1895	49.9	100	−5	0.26	T.	2	21	6	4	w.
1896	50.3	94	11	0.24	0.5	1	20	6	5	w.
1897	47.1	95	9	1.71	2.5	6	15	7	9	w.
1898	45.9	86	7	0.23	0.6	2	19	5	7	w.
1899	46.3	89	4	0.72	3.9	3	15	6	10	w.
1900	47.7	82	4	0.80	0.9	3	15	7	9	sw.
1901	50.7	90	17	1.11	0.8	5	16	6	9	sw.
1902	49.8	97	13	0.26	0.7	1	20	5	6	s.
1903	51.0	90	11	0.29	T.	1	23	4	4	sw.
1904	47.8	91	6	1.20	0.1	4	17	6	8	n.
1905	45.8	96	0	0.05	0.6	0	24	4	3	n.
1906	49.9	100	1	0.10	T.	0	21	6	4	w.
1907	54.2	96	13	0.98	0.1	4	16	8	7	s.
1908	46.6	95	1	0.49	1.4	2	18	6	7	w.
1909	50.4	89	7	0.61	0.2	3	18	7	6	w.
1910	51.0	101	7	0.42	T.	3	20	5	6	w.
1911	47.7	90	6	0.36	0.1	2	21	5	5	w.
1912	45.8	88	0	1.34	4.0	5	17	6	8	w.
1913	49.8	91	5	0.28	T.	1	21	6	4	w.
1914	51.5	96	14	0.61	0.2	3	17	7	7	w.
1915	53.3	99	13	0.01	T.	0	26	3	2	sw.
1916	46.3	88	8	1.68	3.0	6	19	5	7	w.
Entire period	49.3	103	−5	0.58	0.8	3	19	6	6	w.

LATE REPORTS.

August, 1916.—Franktown, mean temperature 63.5°; highest, 91°, on the 24th, 25th, and 26th; lowest, 31°, on the 30th; total precipitation, trace; number of clear days, 25; partly cloudy, 1; cloudy, 5.

Smith, total precipitation, 0.12 inch; number of days with precipitation, 2; clear, 21; partly cloudy, 8; cloudy, 2.

September, 1916.—Belmont, mean temperature, 57.6°; highest, 82°, on the 3d; lowest, 26°, on the 12th; total precipitation, 0.13 inch; number of days with precipitation, 2; clear, 22; partly cloudy, 4; cloudy, 4.

Quinn River Ranch, mean temperature, 59.2°; highest, 95°, on the 21st; lowest, 23° on the 28th; total precipitation, trace; number of clear days, 22; partly cloudy, 4; cloudy, 4.

Smith, total precipitation, 0.38 inch; number of days with precipitation, 1.

Climatological data for October, 1916.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days.				Prevailing direction of the wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	3	40.3		72	†16	13	23	50	3	0.41		0.21	0	2	19	2	10	n.	U. S. Forest Service.
Jack Creek**	do	6,300									3	3.48		1.16		6	20	7	4		C. E. Butler.
Owyhee	do	5,400	5								5										Indian Service.
San Jacinto	do	5,200	11	42.5	−1.1	76	16	13	29	53	11	1.54	+0.85	0.60	T.	5	21	2	8	n.	Utah Construction Co.
Humboldt Basin.																					
Arthur	Elko	6,500									6	2.72	+1.50	0.79	4.0	5	20	6	5		Isaac Woodhouse.
Austin	Lander	6,594	27	43.0	−5.6	68	†16	21	†4	38	27	3.39	+2.73	1.37	22.6	9	16	11	4		Forest Service.
Battle Mountain	do	4,513	45								47										Southern Pacific Co.
Beowawe	Eureka	4,695	45	46.4	−3.1	82	1	17	23	62	47						20	2	9		Do.
Clover Valley**	Elko	6,000	15	44.2	−2.9	79	1	18	24	44	23	1.29	+0.49	0.54	T.	6	16	7	8		I. F. Wiseman.
Elko	do	5,063	45	43.0	−2.0	72	1	8	19	56	46	1.98	+1.13	0.80	T.	5	11	0	20	w.	Western Pacific Co.
Eureka	Eureka	6,837	18	44.4	−4.7	72	†17	15	23	40	20	3.99	+3.15	1.75	12.5	6	16	5	10	n.	Clay Simms.
Golconda	Humboldt	4,392	37	44.8	−4.7	72	1	19	22	49	39	0.78	+0.31	0.38	1.0	3	17	9	5		Southern Pacific Co.
Hylton**	Elko	7,081									6	2.85		1.25		5	23	0	8		Chas. Toyne, sr.
Imlay §	Humboldt	4,209	3	44.8	−5.8	71	†16	12	24	47	3	1.61	+1.25	0.45	0	5	20	1	10		Southern Pacific Co.
Lamoille	Elko	6,100	1	43.0[d]		67[d]	17	19	5	35[d]	1	5.21	+3.92	1.00		8				ne.	Elko-Lamoille Power Co.
Metropolis §	do	5,661									7	1.07	+0.44	0.40	T.	4					L. F. Hatch.
North Fork	do	6,500									7	1.75		1.10	4.0	3	18	3	10	w.	Chas. Pratt.
Paradise Valley	Humboldt	4,500	3	42.6		73	†16	12	23	48	7	1.09		0.40	0	7	22	3	6	n.	R. M. Taylor.
Potts	Nye	6,002	23	41.0	−3.2	80	1	13	24	54	25	0.99	+0.66	0.72	15.0	5	15	1	15	s.	Miss Maud Potts.
Tecoma	Elko	4,812	38	42.8	−3.2	75	17	14	25	44	40	2.12	+1.68	0.73	T.	6	15	12	4		Southern Pacific Co.
Wells	do	5,631	44								47										Do.
Winnemucca	Humboldt	4,344	39	44.9	−3.7	74	16	18	23	46	47	1.42	+0.90	0.68	0.5	8	21	4	6	ne.	U. S. Weather Bureau.
Truckee Basin.																					
Franktown §	Washoe	5,054	1								1										Agent V. & T. Ry.
Marlette Lake**	Douglas	7,900	1	36.2		60	†20	18	3	31	3	3.86		1.04	27.0	11				e.	V. & G. H. Water Co.
Reno	Washoe	4,532	29	46.9	−2.8	76	21	24	24	44	29	1.13	+0.72	0.40	0.4	7	20	2	9	w.	U. S. Weather Bureau.
Bijou, Cal.		6,230									7	1.66		0.61	2.2	9	17	4	10	n.	Chas. Young.
McKinney, Cal.**		6,225									7	2.81		0.88	9.0	7	21	0	10	e.	Henry Soll.
Tahoe, Cal.		6,230	8	40.3		65	17	22	†26	37	8	1.20		0.39	5.5	8	17	5	9	e.	Mrs. Emma C. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	22	46.2	−4.5	76	17	21	24	48	22	1.12	+0.71	0 42	0	6	19	4	8	n.	U.S. Experiment Station.
Gardnerville	Douglas	4,830	25	44.4[f]	−6.3	71[f]	17	19[f]	†24	46[f]	26	1.38	+0.92	0.60	0	7				w.	Forest Service.
Lahontan**	Churchill	4,200	4	49.4		72	†16	28	4	36	6	1.88		1.02	2.0	6	20	1	10	w.	U.S. Reclamat'n Service.
Markleeville, Cal.		5,525									7	1.72		0.86	T.	4	20	1	10	s.	Mrs. Mary Thornburg.
Woodfords, Cal.**		5,634									7	2.99		0.85	1.0	9	18	3	10	sw.	Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	9								20										Southern Pacific Co.
Smith	Lyon	4,800									8	0.96		0.55	T.	4	16	3	12		C. M. Carter.
Thorne §	Mineral	4,200	3	52.5	−1.2	78	†1	30	22	45	3	0.56	+0.33	0.19	0.6	5	13	15	3		Southern Pacific Co.
Yerington §	Lyon	4,375	7								7										High School.
Bridgeport, Cal.		6,500	3	38.2		74	1	11	29	47	5	2.06		1.00	6.0	4	19	4	8	n.	Geo. Delury, jr.
Shields Ranch, Cal. **		5,300									7	1.94		0.54	4.0	8	16	3	12		Frank W. Chichester.
Colorado Basin.																					
Indian Springs §**	Clark	3,136	3	54.7		80	†16	29	24	43	3	0.67		0.35	0	4				nw.	Ira McFarland.
Las Vegas	do	2,033	14	60.9	+0.3	88	18	35	31	46	14	0.95	+0.70	0.93	0	2	19	7	5	s.	C. P. Squires.
Logan §	do	1,355	9	60.6	−4.9	86[e]	18	36	†8	43[e]	17	0.55	−0.13	0.40	0	2	19	6	6		Experiment Farm.
Mt. Charleston **	do	9,000									1										E. W. Griffith.
Pioche	Lincoln	6,100	18	44.6	−5.5	68	†21	23	23	32	18	2.35	+1.87	0.80	0.2	10	18	7	6		M. L. Lee.
Minor Basins.																					
Belmont	Nye	8,540	16	41.0	−6.1	68	17	12	23	48	16	3.83	+3.38	1.20	9.0	6					Monitor-Belmont M. Co.
Cherry Creek	White Pine	6,450	8	42.6		70	17	18	24	36	8	2.51		1.35	16.1	9	15	3	13	sw.	J. H. Leishman.
Duck Flat **	Washoe	4,725									2	1.19		0.65	T.	5	20	7	4	sw.	H. J. Muller.
Francis (near)	do	5,350									2	0.82		0.35	0.5	9	21	3	7	ne.	Geo. W. Barnard.
Gerlach	do	3,931	4	46.2		76	17	17	26	45	4	0.76		0.50	0	4	20	0	11	sw.	Western Pacific Co.
Goldfield	Esmeralda	5,700	9	47.0		74	17	24	24	41	11	1.10		0.78	1.0	5	19	4	8	nw.	R. W. Robinson.
Jungo	Humboldt	4,165									3	1.29		0.50	0	4	17	6	8	sw.	Western Pacific Co.
Lida §	Esmeralda	6,037	4	48.4	+1.8	79	1	26	4	41	4	2.61	+2.30	1.96	0	5	24	2	5	se.	L. F. Detwiler.
McDermitt	Humboldt	4,700	5	45.9	−2.9	74	16	18	23	40	29	1.37	+0.47	0.39	T.	6	23	2	6	n.	U. S. Indian Service.
McGill §	White Pine	6,338	6	45.7	+1.3	69	†16	25	†19	38	6	2.14	+1.42	1.05	17.3	6	16	9	6	n.	R. E. Middagh.
Millett	Nye	5,040	8	43.6		74	17	13	30	52	9	2.04		1.17	0	4	17	2	12		Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	4	46.8	−2.0	77	30	23	26	49	4	0.50	+0.19	0.24	T.	4	19	7	5		Arthur L. Stewart.
Pahrump	Nye	2,608	3								3										F. M. Buol.
Quinn Riv. Ranch **	Humboldt	4,850	14	44.1	−3.1	79	16	13	†24	52	15	0.99	+0.50	0.35	0	5				sw.	F. M. Payne.
Rebel Creek	do	4,300	4	47.1		75	†15	24	24	41	5	2.37		0.78	0.5	8	18	8	5	sw.	Fred Whitaker.
Rhyolite	Nye	3,680	3	53.0		78	19	36	3	26	3	0.58		0.23	0	8	19	12	0	n.	Secretary School Board.
Sand Pass **	Washoe	4,198	3	48.8		75	17	24	4	41	3	0.83		0.20	T.	9	21	3	7	e.	R. R. Mott.
Searchlight	Clark	3,445	3	59.5		81	18	36	7	32	3	0.13		0.12	0	2	21	8	2	s.	C. L. Aug. Mahn.
Sharp	Nye	6,200	3	43.8		70	17	20	19	41	3	1.42		0.80	0	4	17	6	8	se.	F. A. Sears.
Sulphur	Humboldt	4,044	3	45.2		73	17	20	24	42	3	1.44		0.58	T.	5	18	7	6	w.	Western Pacific Co.
Tonopah	Nye	6,090	11	46.0		69	17	24	23	27	11	1.35		0.98	6.0	6	16	10	5	w.	U. S. Weather Bureau.
Vya	Washoe	5,500									3	1.60		0.60	1.0	3	24	3	4	w.	L. A. Mariette.
For the State				46.3	−3.2	88	18	8	19	62		1.68	+1.25	1.96	3.0	6	19	5	7	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Jack Creek, Tuscarora; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of McKinney, Hellman's, Lake Tahoe, Cal.; of Lahontan, Hazen; of Woodfords, Cal., Sheridan, Nev.; of Shield's Ranch, Coleville, Cal.; of Indian Springs, Las Vegas; of Mt. Charleston, Las Vegas; of Duck Flat, Gerlach; of Oasis Ranch, Oasis, Cal.; of Quinn River Ranch, Amos; of Sand Pass, Sheepshead.

Reference letters, [a], [b], [c], appearing in the table indicate number of days missing, for example, [b] represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for October, 1916.

Stations	Day of month																															Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia Basin.																																
Gold Creek (near)	T	T.	T.	T	.20							.21																				0.41
Jack Creek	.90	.31	.43			T	1.16		T	.56	.12																					3.48
Owyhee																																
San Jacinto	.25	.60	.10			.27					.32																					1.54
Humboldt Basin.																																
Arthur	.79	.61	T.	T.	T.	.52	T	T.	T	T	.57	.23																				2.72
Austin	1.03	1.37	.05	.01		.27	.03	T		.01	.60	.02																				3.39
Battle Mountain																																
Beowawe																																
Clover Valley	.24	.54	.05	.13		.17					.16																					1.29
Elko		*	*	1.68						.20	.10																					1.98
Eureka	.60	1.75		.02		1.25				.17	.20																					3.99
Golconda		.38	.05								.35																					0.78
Hylton	1.05	1.25	.40	.05	.10																											2.85
Imlay	.38	.40	.12			T.	.26	T.			.45																					1.61
Lamoille ‖	1.76	*	*	2.42		.35		.11		.07		.50																				5.21
Metropolis ‖	.25	.40				.20	T.			T.	.22																					1.07
North Fork	.15	1.10					.50																									1.75
Paradise Valley	.11	.22	.20			.01	.40	.12		.03																						1.09
Potts	.02	.72		T.		.07						.06	.12																			0.99
Tecoma	*	*	1.15	.11		.13					.73																					2.12
Wells																																
Winnemucca***	.11	.62	.04			.19	.24	.06		.05	.11																					1.42
Truckee Basin.																																
Franktown																																
Marlette Lake ‖	.46	1.04	.06	.14	.15	.18	.58	.80	.21	.07	.17																					3.86
Reno***	.10	.04	T.	.16		.40		.24	.03	.16																						1.13
Bijou, Cal.	.47	.61	.02	.06	T.	.07	.03	.05	.20	.15	T.																					1.66
McKinney, Cal.	.88	.49	.18	.51		.11	T.	.42		.22																						2.81
Tahoe, Cal. ‖	.28	.21	.12	.06			.08	.39	.03	T.	.03	T.																				1.20
Carson Basin.																																
Fallon ‖	.01	.35	.03	.04			.42	T.			.27	T.																				1.12
Gardnerville		.60	.01	.04		.03			.27	.23	.20																					1.38
Lahontan	.05	.18	.26	T.		1.02	.02	T.		.35																						1.88
Markleeville, Cal.	.56	T.	T.	T.	T.			.13	.17	.86																						1.72
Woodfords, Cal.	.65	.12	.10	.12	.08	T.	.12	.35	.60	.85																						2.99
Walker Basin.																																
Mina																																
Smith	T.	T.		.05		T.	T.	.05	.31	T.	.55	T.																				0.96
Thorne	T.	.19			.12	.16		.04		.05	T.																					0.56
Yerington																																
Bridgeport, Cal.	.50	1.00			.20	T.			T.	T.	.36																					2.06
Shields Ranch, Cal.	.25	.54		.30	.15	.04			.30	.16	.20																					1.94
Colorado Basin.																																
Indian Springs ‖	.21		.07											.35	.04																	0.67
Las Vegas		.02								T.				.93																		0.95
Logan		.15												.40																		0.55
Mt. Charleston																																
Pioche	.55	.48		.10	.15	.07	.07				.05	.05	.03	.80																		2.35
Minor Basins.																																
Belmont ‖	.75	1.05	.40			1.20	.32					T.		.11																		3.83
Cherry Creek	.22	1.35	.06	.38		.10	.07			T.	.13	.19		.01																		2.51
Duck Flat	.09	.12				.65	T.		.24	.09																						1.19
Francis (near)	.15	.05	T.	.01	.01	.35	.01	T.	.05	.08	.11																					0.82
Gerlach		.11				.10	.05			.50																						0.76
Goldfield		.78	.18	T.		.05				T.		.05	.04																			1.10
Jungo	T.	.50				.30	.40			.09																						1.29
Lida	.21	1.96			.14	.23							.07																			2.61
McDermitt	.29	.25	.25			.09	.39	.10																								1.37
McGill	*	*	1.02	1.05		.01	.02							.04																		2.14
Millett	.72		1.17			.14					T.		.01																			2.04
Oasis Ranch		.03		.24		.06						T.	.17																			0.50
Pahrump																																
Quinn River Ranch	.35	.25				.10	.25			.04																						0.99
Rebel Creek	.53	.34	.35			.22	.78	.08		.03	.04																					2.37
Rhyolite	.01	.23		T.		.03				.15	.03	.02	.03	.08																		0.58
Sand Pass	.06	.02	.03	T.		.13	.15	.20	.01	.20	.03																					0.83
Searchlight			.01											.12																		0.13
Sharp	.02		.80								.15			.45																		1.42
Sulphur	T.	.42	.12			.25	.58			T.	.07																					1.44
Tonopah***	.22	.98	T.	.06		.06					.02	.01	T.																			1.35
Vya ‖	.50						.60	.50																								1.60

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight.

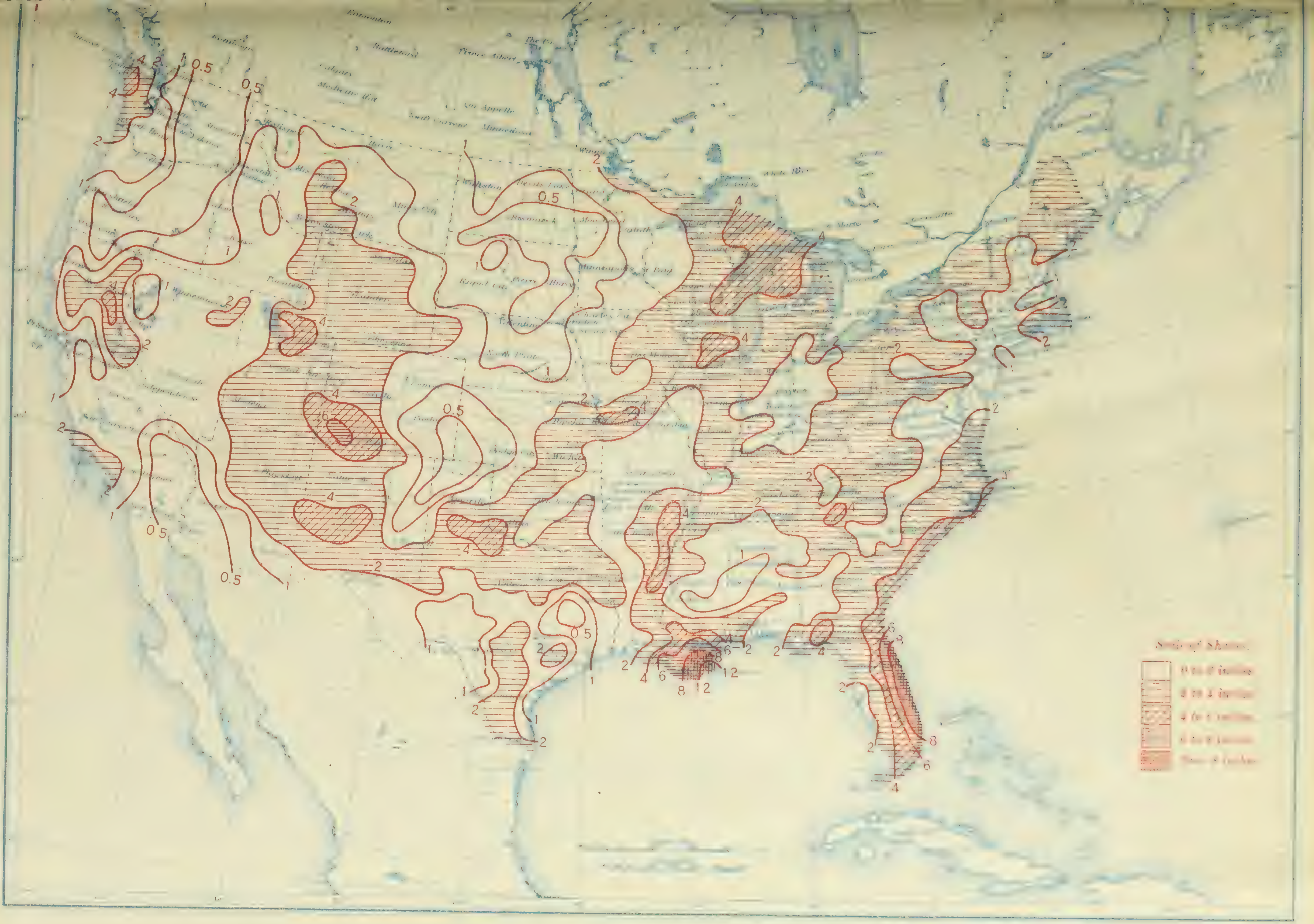
‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

T. Trace, or less than 0.01 inch.

Daily temperatures for October, 1916.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek (near)	Maximum	60	66	60	34	45	59	60	48	52	50	49	49	60	65	70	72	69	65	49	58	72	65	63	50	60	58	57	51	48	49	52	56.9
	Minimum	31	30	28	18	19	27	26	26	25	29	30	29	25	23	29	25	28	25	15	25	23	25	13	18	24	25	25	25	15	15	15	23.7
Owyhee	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
San Jacinto	Maximum	55	42	38	58	56	66	55	54	60	60	55	59	58	65	68	76	74	66	55	65	70	52	51	68	69	68	69	55	60	62	60	60.3
	Minimum	46	32	29	21	23	28	35	30	32	28	28	31	25	30	21	28	26	26	16	21	24	28	16	15	17	18	20	27	13	18	16	24.7
Humboldt Basin.																																	
Austin	Maximum	47	38	43	39	49	56	41	51	51	54	46	53	58	..	....	68	67	54	59	65	68	59	45	53	60	68	65	....	56	63	64	55.0
	Minimum	42	29	25	21	23	36	29	32	36	37	32	33	31	....	....	36	41	33	24	32	39	32	21	22	30	30	35	....	26	30	34	31.1
Battle Mountain	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Clover Valley	Maximum	79	44	47	38	52	62	58	53	59	62	53	56	69	64	67	71	71	61	51	68	68	55	45	56	58	65	66	58	56	63	66	59.4
	Minimum	43	33	32	30	24	28	27	30	30	33	29	35	30	41	32	33	34	28	20	24	29	30	21	18	21	25	29	28	19	29	33	29.0
Elko	Maximum	72	70	45	36	55	70	58	62	60	62	57	59	65	66	68	66	70	62	55	60	65	68	68	69	68	68	67	68	66	65	68	63.2
	Minimum	30	30	30	35	16	22	24	33	32	33	36	33	22	23	21	23	22	22	8	15	20	19	22	24	24	20	18	12	10	15	12	22.9
Eureka	Maximum	60	41	43	42	49	55	51	54	55	58	54	53	63	60	65	70	72	53	58	67	72	55	46	55	62	70	69	60	61	67	68	58.3
	Minimum	40	33	23	24	24	35	30	31	37	38	31	33	32	37	32	34	38	36	21	28	36	30	15	18	25	30	36	29	24	29	32	30.5
Imlay	Maximum	60	61	43	48	47	64	45	52	65	60	62	63	64	68	70	71	71	65	59	58	60	61	68	59	65	60	68	60	61	62	60	60.6
	Minimum	34	33	32	21	30	35	37	35	37	36	41	31	32	32	31	32	35	35	29	24	25	24	23	12	20	22	24	24	22	23	22	29.0
Paradise Valley	Maximum	67	47	47	48	58	51	50	53	61	63	64	65	67	70	71	73	73	65	57	66	60	57	54	57	64	67	60	57	60	64	58	60.5
	Minimum	39	32	29	19	28	29	33	28	27	29	26	26	27	26	27	29	29	23	16	19	26	22	12	14	16	19	22	21	13	23	24	24.6
Tecoma	Maximum	68	66	67	43	52	60	57	58	60	60	62	57	62	65	67	72	75	70	55	60	62	52	53	56	58	60	62	58	60	62	60	60.6
	Minimum	30	28	27	26	27	25	23	27	30	28	26	30	30	36	32	30	32	31	18	22	20	18	20	22	14	20	22	23	20	24	18	25.1
Winnemucca	Maximum	59	44	42	47	57	65	42	52	62	64	54	63	65	69	71	74	72	56	60	68	71	54	52	61	65	70	68	57	59	65	61	60.3
	Minimum	40	33	36	26	30	36	38	35	34	35	38	31	37	32	30	33	34	33	25	24	26	28	18	20	21	24	24	27	20	26	28	29.5
Truckee Basin.																																	
Franktown	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Reno	Maximum	55	49	[illegible]	40	50	43	51	50	56	57	59	64	65	70	74	75	74	60	65	69	76	58	54	64	65	70	70	61	65	68	65	60.8
	Minimum	41	38	34	31	28	32	37	37	38	40	38	34	36	35	36	37	38	36	29	31	32	34	29	24	27	29	32	31	25	27	28	33.0
Tahoe, Cal.	Maximum	46	37	31	37	42	41	40	41	47	46	52	55	54	55	60	64	65	59	59	57	59	54	52	55	57	57	60	54	55	57	62	52.0
	Minimum	38	30	25	23	30	31	31	30	33	34	31	28	33	28	29	31	30	28	27	28	29	30	28	30	27	22	25	28	22	24	25	28.6
Carson Basin.																																	
Fallon §§	Maximum	62	53	48	47	55	50	55	57	57	62	59	61	63	68	70	72	76	59	59	66	69	56	53	58	63	64	74	62	64	68	61	61.0
	Minimum	50	38	32	30	25	33	39	34	36	39	41	33	33	37	35	31	36	42	24	27	29	31	24	21	22	25	26	27	24	24	26	31.5
Gardnerville	Maximum	..	59	50	47	48	48	56	....	53	50	58	....	61	65	....	69	71	68	60	65	68	....	66	58	60	64	70	65	....	65	65	60.4
	Minimum	....	35	30	30	29	30	39	....	25	25	35	....	30	30	....	30	32	29	28	27	25	....	23	19	20	24	24	28	....	19	23	28.4
Lahontan	Maximum	62	53	[illegible]	45	54	52	53	53	57	60	59	61	62	66	70	72	72	60	62	65	68	58	65	63	68	67	69	60	64	69	62	61.3
	Minimum	51	38	34	28	34	41	37	36	41	44	40	37	39	40	43	44	45	44	33	36	37	30	33	30	32	35	37	38	35	35	36	37.5
Walker Basin.																																	
Mina	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Yerington	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Bridgeport, Cal.	Maximum	74	70	34	38	35	36	45	45	39	49	45	48	49	60	61	65	55	50	60	63	63	62	45	35	52	57	59	49	57	62	65	52.5
	Minimum	36	30	20	26	25	30	30	29	35	32	44	25	47	21	22	23	23	21	20	19	18	22	13	12	15	16	17	17	11	15	21	23.8
Colorado Basin.																																	
Indian Springs	Maximum	74	63	60	61	69	69	71	70	71	72	65	64	74	62	77	80	79	80	68	77	76	75	61	60	72	75	73	74	74	75	75	70.
	Minimum	54	52	35	39	38	42	37	35	34	38	39	38	43	48	39	42	46	43	39	34	37	39	36	29	36	34	33	36	34	35	34	38.
Las Vegas	Maximum	81	79	79	69	77	78	73	77	81	76	74	75	80	68	76	85	86	88	75	81	84	84	78	74	78	85	82	79	80	80	81	78.
	Minimum	56	54	49	49	40	42	38	36	37	40	38	45	56	50	49	48	48	49	49	39	40	40	40	38	40	42	36	36	37	37	35	43.
Logan	Maximum	81	76	70	70	80	79	71	78	82	81	78	78	68	76	79	82	84	86	78	75	81	81	70	72	78	81	....	....	....	....	....	77.
	Minimum	60	56	42	51	50	49	38	36	42	39	40	40	52	56	45	50	50	49	42	38	42	40	50	36	36	38	36	38	38	38	37	43.
Pioche	Maximum	54	45	49	[illegible]	56	55	53	51	56	51	38	45	58	42	55	62	67	53	50	56	68	68	50	63	65	63	53	52	56	51	65	54.
	Minimum	46	35	33	31	33	43	30	31	37	36	32	30	39	32	36	35	40	44	29	32	36	38	23	24	37	37	35	34	33	33	35	34.
Minor Basins.																																	
Cherry Creek	Maximum	65	50	38	35	42	55	48	50	52	50	45	42	53	55	60	68	70	62	51	58	65	55	40	50	56	61	65	57	56	62	61	54.
	Minimum	45	32	30	27	25	38	32	25	35	36	31	34	33	42	31	33	34	40	23	27	33	38	21	18	22	27	33	32	21	31	32	31.
Gerlach	Maximum	73	54	44	49	57	56	50	51	58	60	61	62	63	70	72	73	76	75	60	63	69	67	66	64	62	61	70	65	61	58	61	62.
	Minimum	43	35	31	25	27	36	36	35	33	41	36	29	37	30	34	38	40	36	26	25	25	26	24	22	25	17	25	27	23	24	23	30.
Goldfield	Maximum	62	53	44	45	50	52	54	57	58	56	52	51	59	62	67	71	74	64	65	71	72	63	50	56	61	72	71	66	61	72	70	60.
	Minimum	42	32	27	25	31	35	31	35	38	34	35	34	32	40	36	38	42	40	28	32	36	37	28	24	29	32	39	33	28	31	32	33.
Lida	Maximum	79	72	....	55	47	46	50	51	53	56	59	....	52	58	67	71	74	71	68	71	70	66	69	72	69	68	69	71	70	68	68	64.
	Minimum	38	36	....	26	28	31	28	28	29	28	33	....	31	35	35	38	34	33	34	36	35	33	36	34	37	34	29	31	32	31	31	32.
McDermitt	Maximum	63	43	40	43	55	63	49	49	58	63	60	63	67	69	70	74	72	66	60	66	70	64	52	60	65	68	66	58	57	61	60	60.
	Minimum	37	31	30	24	27	40	37	39	37	39	39	32	36	35	36	40	37	26	22	32	31	24	18	25	28	32	29	27	24	29	27	31.
McGill	Maximum	65	52	41	35	51	63	51	55	59	55	48	51	60	52	65	69	68	61	56	65	63	61	46	55	61	65	67	61	62	65	69	58.
	Minimum	41	32	26	27	28	35	32	31	33	34	32	35	35	43	34	36	42	42	25	29	33	43	25	31	26	27	42	31	33	28	44	33.
Millett	Maximum	64	50	46	44	52	57	54	55	59	60	50	54	61	64	67	69	74	63	59	64	71	60	49	67	61	64	70	61	61	65	65	60.
	Minimum	43	40	25	26	25	38	31	35	32	37	32	32	27	32	28	32	32	37	21	21	24	24	21	17	19	20	20	22	16	13	25	27.
Oasis Ranch	Maximum	61	64	53	49	48	49	57	57	56	55	55	56	59	64	66	70	73	70	67	70	70	65	54	56	60	72	68	66	62	77	70	62.
	Minimum	44	42	29	28	31	36	31	38	37	34	44	39	35	40	32	35	34	30	32	29	32	30	30	24	24	23	27	25	27	24	25	31.
Rebel Creek	Maximum	63	45	42	47	58	66	46	51	64	62	59	68	67	68	75	75	73	64	60	67	69	57	59	60	65	70	67	58	60	64	61	61.
	Minimum	38	32	30	26	30	36	34	29	31	40	40	34	37	37	34	36	42	35	27	32	35	33	25	24	28	32	35	27	27	32	34	32.
Rhyolite	Maximum	64	60	53	49	59	59	53	57	60	59	62	52	55	60	63	67	70	73	78	70	65	58	55	60	65	68	70	64	61	66	70	62.
	Minimum	38	38	36	37	42	43	39	42	37	40	40	42	42	48	52	50	50	57	60	53	50	45	38	38	42	45	47	43	44	41	45	44,
Sand Pass	Maximum	73	52	42	50	56	58	49	50	58	62	60	66	66	72	72	74	75	68	61	66	70	59	55	63	64	65	70	61	63	66	61	62.
	Minimum	60	47	....	24	31	40	38	35	38	38	40	36	43	34	38	57	40	41	32	29	34	39	25	25	25	29	31	29	29	25	27	35.
Searchlight	Maximum	71	63	59	60	70	65	68	69	70	72	68	68	70	64	71	75	80	81	70	71	80	76	67	61	67	73	76	73	73	74	76	70.
	Minimum	52	49	39	38	48	48	36	43	43	48	47	45	53	46	54	59	57	55	47	53	60	51	46	41	48	55	50	47	51	47	50	48.
Sharp	Maximum	66	55	48	41	46	45	45	52	55	58	50	48	58	56	63	69	70	64	56	54	69	66	58	55	62	64	66	65	62	62	63	57.
	Minimum	40	38	25	24	28	26	25	25	27	30	32	32	34	36	35	46	38	34	20	25	33	25	21	26	28	28	27	29	27	28	29	29.
Sulphur	Maximum	69	59	53	54	56	58	58	39	38	52	59	60	67	69	67	69	73	65	59	63	65	69	61	58	60	63	67	56	59	63	59	60.
	Minimum	37	35	31	29	26	27	29	32	31	38	41	33	37	35	34	35	35	32	26	28	32	31	23	20	22	24	25	28	24	28	31	30.
Tonopah	Maximum	57	44	40	40	47	51	47	52	53	53	46	50	55	58	63	65	69	58	57	64	66	56	46	51	56	65	63	62	56	61	63	55.
	Minimum	42	29	28	26	29	34	30	38	40	37	35	35	37	39	43	45	46	40	32	39	45	33	24	30	38	38	44	40	37	42	43	36.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades
0 to 2 inches
2 to 4 inches
4 to 6 inches
6 to 8 inches
Over 8 inches

UNIVERSITY OF ILLINOIS
URBANA

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

NEVADA SECTION

NOVEMBER, 1916

BY

HENRY F. ALCIATORE

METEOROLOGIST.

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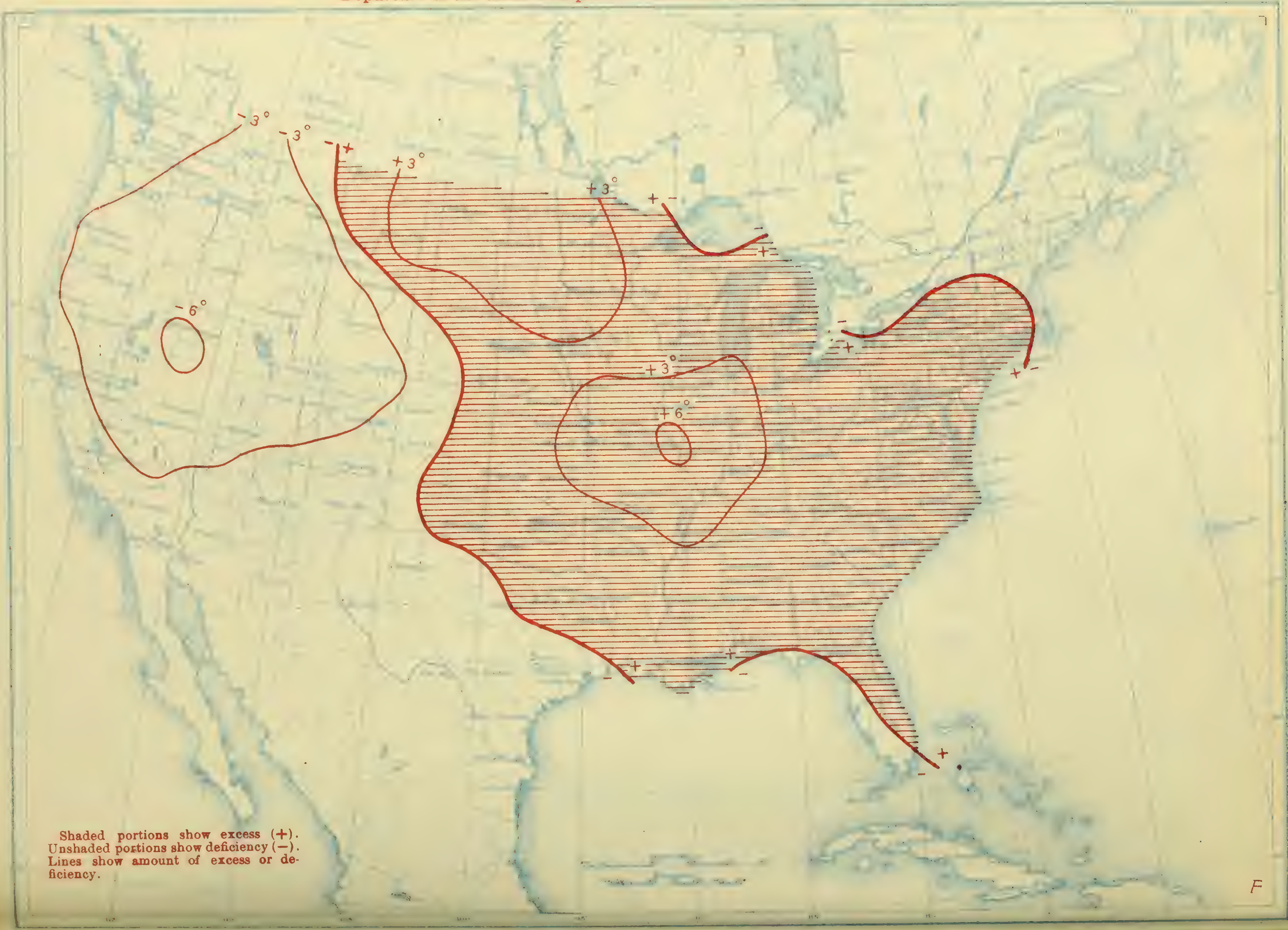
RENO, NEVADA
WEATHER BUREAU OFFICE
DECEMBER 13, 1916.

Departure of the Mean Temperature from the Normal, November, 1916.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALCIATORE, Meteorologist.

Vol. XXXI. Reno, Nevada, November, 1916. No. 11.

GENERAL SUMMARY.

With one exception, (1898), this was the coldest November experienced in 28 years. The month opened fine and relatively warm. Rain or snow, attended by lower temperatures, occurred over large areas from the 5th to the 7th, followed by a period of bright, cold weather that lasted almost without interruption until the 24th. Scattered rains fell at many places during a three-day period beginning with the 26th, but the last two days were fine. The highest temperatures occurred generally between the 1st and 4th, and the lowest between the 13th and 15th. On the 13th, minimum temperatures ranging from zero to 13° below were recorded at some of the northern stations.

The month's precipitation, ranging in amount from a trace to 2.21 inches, was about 44 per cent of the normal, and deficient in all districts. At twelve stations there was none at all. The snowfall was somewhat heavier than usual in the Columbia and Truckee basins. At Marlette Lake the fall was 20 inches, and at Jack Creek (Elko County) 23 inches.

On the whole, November, despite its abnormally cold mornings, was a pleasant month, with a marked excess of bright sunshine, particularly in the southern districts.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 44 stations, was 35.5°. The mean for the 23 stations having ten or more years' record was 4.0° below normal. The highest recorded was 82°, at Las Vegas on the 2d, and at Pahrump on the 4th; the lowest was—13°,at Quinn River Ranch and San Jacinto on the 13th. The greatest daily range was 59°, at Yerington on the 2d. The highest monthly mean was 51.5°, at Las Vegas; the lowest was 25.4°, at Gold Creek.

PRECIPITATION.

The average for 53 stations reporting was 0.34 inch. For the 27 stations having ten or more years' record, the mean was 0.44 inch below the normal. The average amount at 4 stations in the Columbia Basin was 0.90 inch; at 16 stations in the Humboldt Basin, 0.44 inch; at 4 stations in the Truckee Basin, 1.77 inches; at 5 stations in the Carson Basin, 0.46 inch; at 5 stations in the Walker Basin, 0.29 inch; at 3 stations in the Colorado Basin, none; at 22 stations in the minor basins, 0.18 inch. The greatest monthly fall was 2.21 inches, at Marlette Lake; there was none at 12 stations. The average number of days with precipitation was 2.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric pressure (sea level).			Mean relative humidity.		Wind.			
							Max. velocity.		
	Mean.	Highest.	Lowest.	5 a. m.	5 p. m.	Average hourly velocity.	Miles per hour.	Direc.	Date.
Reno	30.24	30.72	29.75	69	34	5.9	38	w.	26
Winnemucca	30.28	30.83	29.65	75	42	6.4	33	sw.	4
Tonopah	30.20	30.74	29.69	54	41	9.0	43	nw.	5

SUNSHINE AND CLOUDINESS.

At Reno, 76 per cent of the possible sunshine was recorded, at Winnemucca, 80 per cent; at Tonopah, 89 per cent. For the State, the average number of clear days was 19; partly cloudy, 6; cloudy, 5.

MISCELLANEOUS PHENOMENA.

(Dates of.)

Brisk winds.—2, 3, 4, 5, 6, 7, 10, 11, 12, 13, 14, 18, 19, 20, 22, 23, 25, 26.

Fog.—26.

Sleet.—5, 26, 28.

Solar Halos.—2.

Lunar Halos.—29, 30.

EVAPORATION.

The total net evaporation as recorded at Indian Springs, for 12 days, was 1.655 inches; at Lamoille, for 4 days, 0.613; at Tahoe, Cal., for 24 days, 2.620.

COMPARATIVE DATA FOR NOVEMBER.

Year.	Temperature.			Average precipitation	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	39.6	81	4	1.08	1.3	3	15	6	9	s.
1890	40.9	86	5	0.18	0.9	1	23	4	3	nw.
1891	41.3	81	−2	0.09	T.	1	15	9	6	n.
1892	38.7	76	−13	2.08	7.4	3	13	9	8	s.
1893	38.2	74	−8	0.83	2.9	4	14	5	11	sw.
1894	43.7	83	−12	0.08	0.5	0	20	7	3	w.
1895	35.9	80	−10	0.67	5.2	4	12	8	10	w.
1896	35.6	79	−23	1.10	2.6	4	10	7	13	sw.
1897	40.3	77	−6	0.69	2.8	3	12	8	10	w.
1898	35.1	77	−10	1.10	4.1	4	15	6	9	w.
1899	40.8	73	3	0.50	8.0	3	11	7	12	w.
1900	40.7	78	1	1.34	6.5	5	13	6	11	sw.
1901	43.1	80	12	0.53	0.2	2	14	9	7	sw.
1902	37.2	82	−3	1.25	8.0	5	12	7	11	sw.
1903	41.8	89	4	0.67	0.2	2	15	8	7	s.
1904	41.8	80	2	0.06	T.	0	16	8	6	w.
1905	36.4	88	−10	1.11	10.6	4	16	5	9	n.
1906	35.5	83	−22	0.93	7.7	4	10	8	12	n.
1907	40.2	78	−1	0.21	1.7	1	20	5	5	w.
1908	38.3	83	13	0.15	0.8	1	18	7	5	w.
1909	40.1	86	−10	0.51	7.5	5	11	8	11	w.
1910	42.2	80	−8	0.46	0.5	2	13	8	9	w.
1911	36.7	76	−9	0.26	1.5	2	19	6	5	w.
1912	39.9	78	3	0.60	1.2	3	18	6	6	w.
1913	40.3	83	−5	1.28	2.7	6	12	7	11	w.
1914	41.6	88	−11	0.03	0.2	0	22	5	3	w.
1915	40.1	88	−7	0.47	3.0	3	11	9	10	w.
1916	35.5	82	−13	0.34	2.8	2	19	6	5	sw.
Entire period	39.3	89	−23	0.66	3.2	3	15	7	8	w.

LATE REPORTS.

July, 1916—Potts, mean temperature, 65.0°; highest, 95°, on the 21st; lowest, 31°, on the 29th; total precipitation, a trace; number of clear days, 18; partly cloudy, 6; cloudy, 7.

October, 1916.—Hylton, total snowfall, 4.0 inches.

Jack Creek, total snowfall, 8.0 inches.

Mina, mean temperature, 49.4°; highest, 75°, on the 27th; lowest, 22°, on the 25th; total precipitation, 1.03 inches; number of days with precipitation, 3; clear, 18; partly cloudy, 0; cloudy, 13.

CORRECTIONS.

October, 1916.—Page 76, Gold Creek, number of rainy days should be 7; clear, 18; partly cloudy, 2; cloudy, 11.

Climatological data for November, 1916.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days.				Prevailing direction of the wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	3	25.4	.....	66	2	9	7	38	3	0.33	.....	0.20	13.5	4	17	10	3	n.	U. S. Forest Service.
Jack Creek**	do	6,300	.....	.....	.....	.....	.....	.....	.....	.....	3	2.05	.....	1.17	23.0	6	19	8	3	w.	C. E. Butler.
Mahoney Ran. Sta.**	do	6,200	1	32.2^{l}	.....	73^{k}	5	0^{l}	14	41^{l}	1	1.00	.....	0.27	11.0	5	.....	.....	.....	.....	U. S. Forest Service.
Owyhee	do	5,400	5	.....	.....	.....	.....	.....	.....	.....	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	Indian Service.
San Jacinto	do	5,200	11	30.0	−3.5	69	3	13	13	52	11	0.20	−0.45	0.10	T.	2	17	4	9	n.	Utah Construction Co.
Humboldt Basin.																					
Arthur	Elko	6,500	.....	.....	.....	.....	.....	.....	.....	.....	6	0.34	−0.95	0.13	3.7	3	24	3	3	.....	Isaac Woodhouse.
Austin	Lander	6,594	27	34.6	−4.4	74	2	2	13	36	27	0.80	+0.16	0.50	10.0	2	14	13	3	.....	Forest Service.
Battle Mountain	do	4,513	45	.....	.....	.....	.....	.....	.....	.....	47	.....	.....	.....	.....	.....	.....	.....	.....	.....	Southern Pacific Co.
Beowawe	Eureka	4,695	45	32.8	−3.7	73	3	6	14	52	47	0.00	−0.61	0.00	0	0	25	1	4	.....	Do.
Clover Valley**	Elko	6,000	15	33.9	−2.9	73	1	− 8	13	48	23	0.83	−0.94	0.40	0	3	12	11	7	.....	I. F. Wiseman.
Elko	do	5,063	45	29.9	4.5	67	4	− 7	13	55	46	0.59	−0.33	0.59	T.	1	14	4	12	w.	Western Pacific Co.
Eureka	Eureka	6,837	18	34.5	−4.8	72	1	− 7	13	41	20	0.48	−0.25	0.25	12.5	5	17	4	9	n.	Clay Simms.
Golconda	Humboldt	4,392	37	32.4	−7.0	64	†2	− 5	12	38	39	0.01	−0.38	0.01	0	1	15	11	4	.....	Southern Pacific Co.
Hylton **	Elko	7,081	.....	.....	.....	.....	.....	.....	.....	.....	6	1.16	.....	0.65	6.5	5	24	3	3	.....	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	3	35.1	−4.8	70	4	1	13	51	3	0.15	−0.18	0.15	0	1	23	2	5	.....	Southern Pacific Co.
Lamoille	Elko	6,100	1	31.8	.....	68	2	− 2	†13	37	1	0.87	−0.40	0.39	7.5	4	14	4	12	s.	Elko-Lamoille Power Co.
Metropolis §	do	5,661	.....	30.0^{d}	.....	66^{l}	4	1^{d}	11	51^{d}	7	0.23	−0.52	0.12	0	3	.....	.....	.....	.....	L. F. Hatch.
North Fork	do	6,500	.....	.....	.....	.....	.....	.....	.....	.....	7	0.37	.....	0.25	10.0	2	6	9	15	s.	Chas. Pratt.
Paradise Valley	Humboldt	4,500	3	31.0	.....	68	2	−10	13	53	7	0.58	.....	0.35	2.0	4	19	4	7	nw.	R. M. Taylor.
Potts	Nye	6,002	23	33.2	−0.8	65	3	− 5	13	53	25	0.12	−0.27	0.12	2.0	1	17	1	12	s.	Miss Maud Potts.
Tecoma	Elko	4,812	38	25.8	−8.4	70	4	−10	13	49	40	0.04	−0.32	0.02	0.4	2	11	12	7	n.	Southern Pacific Co.
Wells	do	5,631	44	.....	.....	.....	.....	.....	.....	.....	47	.....	.....	.....	.....	.....	.....	.....	.....	.....	Do.
Winnemucca	Humboldt	4,344	39	33.0	−4.5	74	2	− 3	13	47	47	0.44	−0.30	0.34	0.1	5	18	4	8	ne.	U. S. Weather Bureau.
Truckee Basin.																					
Franktown§	Washoe	5,054	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	Agent V. & T. Ry.
Marlette Lake**	Douglas	7,900	1	30.5	.....	54	2	4	13	30	3	2.21	.....	0.97	20.0	4	21	4	5	e.	V. & G. H. Water Co.
Reno	Washoe	4,532	29	37.6	3.4	76	2	8	14	43	29	0.05	−1.04	0.04	T.	2	22	6	2	w.	U. S. Weather Bureau.
Bijou, Cal ††		6,230	....	29.0	.....	56	30	− 6	13	47	7	1.39	.....	0.72	6.3	4	13	11	6	sw.	Chas. Young.
McKinney, Cal.**		6,225	.....	.....	.....	.....	.....	.....	.....	.....	7	2.35	.....	0.62	16.0	5	26	1	3	e.	Henry Soll.
Tahoe, Cal.		6,230	8	34.0	.....	65	†1	2	13	39	8	2.46	.....	1.19	12.0	4	16	8	6	sw.	Mrs. Emma C. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	22	34.3	−5.4	75	2	1	13	46	22	0.00	−0.28	0.00	0	0	19	8	3	n.	U.S. Experiment Station.
Gardnerville	Douglas	4,830	25	37.7^{f}	−5.1	77^{f}	2	4^{g}	†13	50^{g}	26	0.35	−1.22	0.18	0	2	....	....	..	w.	Forest Service.
Lahontan **	Churchill	4,200	4	38.7	.....	75	2	9	13	39	6	T.	.....	T.	0	0	22	4	4	w.	U.S. Reclamat'n Service.
Markleeville, Cal.		5,525	.....	.....	.....	.....	.....	.....	.....	.....	7	1.00	.....	0.56	1.0	2	20	7	3	n.	Mrs. Mary Thornburg.
Woodfords, Cal. **		5,634	.....	.....	.....	.....	.....	.....	.....	.....	7	0.95	.....	0.65	3.0	4	22	3	5	sw.	Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	9	37.2	−6.5	74	2	5	14	47	20	0.00	−0.17	0.00	0	0	27	0	3	.....	Southern Pacific Co.
Smith	Lyon	4,800	.....	.....	.....	.....	.....	.....	.....	.....	8	0.60	.....	0.55	0	2	19	5	6	n.	C. M. Carter.
Thorne §	Mineral	4,200	3	.....	.....	.....	.....	.....	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	Southern Pacific Co.
Yerington §	Lyon	4,375	7	34.2	−4.8	74	2	0	13	59	7	T.	0.38	T.	T.	0	21	0	9	sw.	W. F. Powers.
Bridgeport, Cal.		6,500	3	26.8	.....	64	2	− 5	20	52	5	0.24	.....	0.24	2.0	1	21	8	1	n.	Geo. Delury, jr.
Shields Ranch, Cal. **		5,300	.....	.....	.....	.....	.....	.....	.....	.....	7	0.61	.....	0.49	1.5	2	13	11	6	.....	Frank W. Chichester.
Colorado Basin.																					
Indian Springs §**	Clark	3,136	3	44.2	.....	75	2	15	†13	16	3	0.00	.....	0.00	0	0	.....	.....	.....	nw.	Ira McFarland.
Las Vegas	do	2,033	14	51.5	+2.0	82	2	20	14	50	14	0.00	−0.33	0.00	0	0	24	6	0	s.	C. P. Squires.
Logan §.	do	1,355	9	49.2	−3.8	81	3	23	15	46	17	0.00	−0.48	0.00	0	0	20	8	2	.....	Experiment Farm.
Mt. Charleston **	do	9,000	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	E. W. Griffith.
Pioche	Lincoln	6,100	18	.....	.....	.....	.....	.....	.....	.....	18	.....	.....	.....	.....	.....	.....	.....	.....	.....	M. L. Lee.
Minor Basins.																					
Belmont	Nye	8,540	16	35.0	2.7	67	1	− 5	13	41	16	0.10	−0.21	0.05	1,0	2	14	13	3	sw.	Monitor-Belmont M. Co.
Cherry Creek	White Pine	6,450	8	32.6	.....	71	2	− 3	13	40	8	0.42	.....	0.24	8.2	4	23	4	3	sw.	J. H. Leishman.
Duck Flat **	Washoe	4,725	.....	.....	.....	.....	.....	.....	.....	.....	2	0.40	.....	0.40	T.	1	20	5	5	sw.	H. J. Muller.
Francis (near)	do	5,350	.....	.....	.....	.....	.....	.....	.....	.....	2	0.08	.....	0.05	T.	3	25	5	0	sw.	Geo. W. Barnard.
Gerlach	do	3,931	4	31.0	.....	69	2	0	13	47	4	0.00	.....	0.00	0	0	22	0	8	n.	Western Pacific Co.
Goldfield	Esmeralda	5,700	9	37.6	.....	70	†1	6	13	36	11	0.22	.....	0.22	0.5	1	19	9	2	n.	R. W. Robinson.
Jungo	Humboldt	4,165	.....	.....	.....	.....	.....	.....	.....	.....	3	T	.....	T.	0	0	14	8	8	sw.	Western Pacific Co.
Lida §.	Esmeralda	6,037	4	38.0^{i}	0.1	69^{i}	1	8^{i}	13	37^{i}	4	0.00	−0.36	0.00	0	0	.	.....	.....	nw.	L. F. Detwiler.
McDermitt	Humboldt	4,700	5	33.8	−3.7	70	2	0	13	43	29	0.15	−0.44	0.27	3.0	3	22	5	3	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	6	36.0	+0.5	72	2	0	13	38	6	0.40	−0.38	0.16	4.0	3	14	9	7	s.	R. E. Middagh.
Millett	Nye	5,040	8	33.0	.....	73	2	− 2	13	46	9	0.06	.....	0.06	1.0	1	22	2	6	.....	Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	4	35.7	−1.9	71	1	5	14	49	4	0.00	−0.36	0.00	0	0	18	10	2	.....	Arthur L. Stewart.
Pahrump	Nye	2,608	3	45.0	.....	82	4	7	15	58	3	0.00	.....	0.00	0	0	.....	.....	.....	s.	F. M. Buol.
Quinn Riv. Ranch **	Humboldt	4,850	14	31.2	−7.1	69	2	−13	13	55	15	0.20	−0.36	0.20	0	1	24	2	4	sw.	F. M. Payne.
Rebel Creek	do	4,300	4	36.6	.....	72	3	1	13	41	5	0.46	.....	0.30	1.2	5	19	4	7	sw.	Fred Whitaker.
Rhyolite	Nye	3,680	3	45.6	.....	72	1	18	13	31	3	0.00	.....	0.00	0	0	15	14	1	n.	Secretary School Board.
Sand Pass **	Washoe	4,198	3	35.6	.....	68	2	9	†13	40	3	0.11	.....	0.14	T.	1	23	3	4	nw.	R. R. Mott.
Searchlight	Clark	3,445	3	51.1	.....	81	2	21	13	28	3	0.00	.....	0.00	0	0	28	2	0	n.	C. L. Aug. Mahn.
Sharp	Nye	6,200	3	36.2	.....	70	3	− 1	13	42	3	0.10	.....	0.10	2.0	1	21	6	3	se.	F. A. Sears.
Sulphur	Humboldt	4,044	3	31.8	.....	68	2	0	13	44	3	T.	.....	T.	T.	0	14	9	7	se.	Western Pacific Co.
Tonopah	Nye	6,090	11	37.2	.....	66	2	6	13	24	11	0.09	.....	0.06	0.9	2	21	7	2	w.	U. S. Weather Bureau.
Vya	Washoe	5,500	.....	.....	.....	.....	.....	.....	.....	.....	3	0.95	.....	0.55	3.0	2	18	6	6	w.	L. A. Mariette.
For the State				35.5	−4.0	82	†2	−13	13	59	..	0.31	−0.44	1.17	2.8	2	19	6	5	sw.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Jack Creek, Tuscarora; of Mahoney Ranger Station, Jarbridge; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of McKinney, Hellman's, Lake Tahoe, Cal.; of Lahontan, Hazen; of Woodfords, Cal., Sheridan, Nev.; of Shield's Ranch, Coleville, Cal.; of Indian Springs, Las Vegas; of Mt. Charleston, Las Vegas; of Duck Flat, Gerlach; of Oasis Ranch, Oasis, Cal.; of Quinn River Ranch, Amos; of Sand Pass, Sheepshead.

Reference letters ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for November, 1916.

Stations.	Day of month																															Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia Basin.																																
Gold Creek (near)					.07	.01	.02																			.20						[illegible]
Jack Creek						*	1.17												.13							.50	.10	.15				2.15
Mahoney Ranger Station ||					.27	.18	.27												T							.10	.18					1.00
Owyhee																																
San Jacinto					.10	T																				.16		T				0.26
Humboldt Basin.																																
Arthur					T	*	.21																				.13					0.31
Austin					.50	.30																										0.80
Battle Mountain																																
Beowawe																																0.00
Clover Valley						.18																				.40		.25				0.83
Elko					T	T																				.59						0.59
Eureka					.10	.25	.05					T							.05							.03						0.48
Golconda						.01																										0.01
Hylton					.65	.45																				.03	.01	.02				1.16
Imlay																									.15							0.15
Lamoille ||					*	.13	.11					T							T							.33		T				0.57
Metropolis ||					*	.12																				.11		T				0.23
North Fork						.25																					.12					0.37
Paradise Valley					T	.20																				.35	.08					0.63
Potts					.12																											0.12
Tecoma					.02																					.02						0.04
Wells																																
Winnemucca***				.05	.02	.03													T						.09	.25						0.44
Truckee Basin.																																
Franktown																																
Marlette Lake ||					.76	.34	.14																			.97						2.21
Reno***				T	T	.01												T							.01	T		T				0.02
Bijou, Cal.				.09	.44	.14																			T	.72						1.39
McKinney, Cal.				.56	.61	.51												T							T	.62	.05					2.35
Tahoe, Cal. ||					1.19	.05																					1.15	.07				2.46
Carson Basin.																																
Fallon																																0.00
Gardnerville					.18																					.17						0.35
Lahontan																		T														T.
Markleeville, Cal.				.44																					.56							1.00
Woodfords, Cal.				.12	.08	T													T							.65		.10				0.95
Walker Basin.																																
Mina																																0.00
Smith				.55		T																			.05	T						0.60
Thorne																																
Yerington																			T							T						T.
Bridgeport, Cal.					.24																											0.24
Shields Ranch, Cal.					.49														T							.12						0.61
Colorado Basin.																																
Indian Springs ||																																0.00
Las Vegas																																0.00
Logan																																0.00
Mt. Charleston																																
Pioche																																
Minor Basins.																																
Belmont ||					.05		.05																									0.10
Cherry Creek					.09	.24	.03																			.06		T				0.42
Duck Flat				T	T													T							T	.40	T					0.40
Francis (near)					.05	.02																			.01							0.08
Gerlach																																0.00
Goldfield					.22																											0.22
Jungo																										T						T.
Lida																																0.00
McDermitt						.06													.12							.27						0.45
McGill					.16	.09																				.15						0.40
Millett						.06																										0.06
Oasis Ranch																																0.00
Pahrump																																0.00
Quinn River Ranch						T													T							.20						0.20
Rebel Creek					.04	.10	.01												T							.30	.01					0.46
Rhyolite																																0.00
Sand Pass					T	T													T							.14						0.14
Searchlight																																0.00
Sharp					.10		T																									0.10
Sulphur				T		T																										T.
Tonopah***					.06	.03																	T									0.09
Vya ||																		.55									.40					0.95

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight.

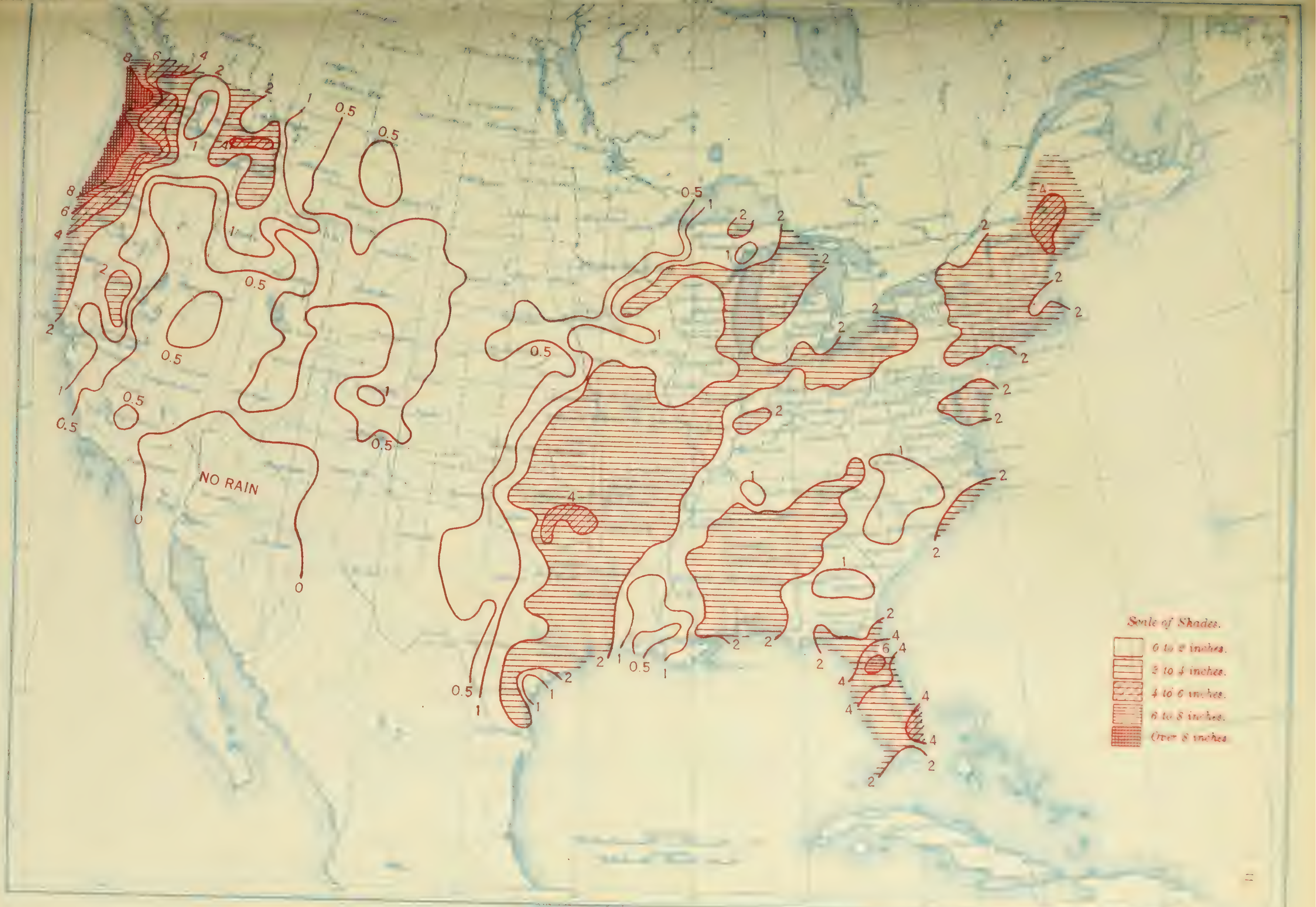
|| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

T. Trace, or less than 0.01 inch.

Daily temperatures for November, 1916.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Columbia Basin.																																	
Gold Creek (near)	Maximum	58	66	58	51	58	30	25	25	24	32	34	32	17	33	41	43	44	42	39	28	35	43	34	33	34	36	36	40	39	40	....	38.
	Minimum	20	30	34	20	20	12	-9	8	12	14	14	10	6	-5	6	10	14	10	23	12	5	10	15	6	15	22	6	12	14	13	....	12.
Owyhee	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
San Jacinto	Maximum	67	67	69	63	58	38	37	40	52	47	28	20	28	40	50	52	59	54	40	48	52	49	48	43	44	45	47	45	44	54	....	47.
	Minimum	15	26	30	20	29	23	24	14	31	24	1	4	-13	-5	2	2	7	9	4	0	8	6	7	1	11	31	12	18	5	27	....	12.
Humboldt Basin.																																	
Austin	Maximum	68	74	65	62	50	40	36	47	50	51	37	21	27	39	46	50	53	53	40	36	49	52	48	47	50	42	54	47	49	44	....	47.
	Minimum	34	40	37	30	22	19	19	14	25	25	13	1	-2	5	15	21	23	28	27	13	13	26	30	21	24	25	24	26	25	28	....	21.
Battle Mountain	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Clover Valley	Maximum	73	69	68	65	51	40	45	45	60	54	32	28	32	45	54	54	57	56	45	52	51	60	44	53	52	45	54	56	44	40	....	50.
	Minimum	25	30	28	27	28	24	23	10	20	29	8	2	-8	2	10	11	15	16	30	12	10	14	20	12	12	32	19	26	2	21	....	17.
Elko	Maximum	64	65	64	67	60	65	50	45	55	52	37	23	23	33	45	45	46	47	45	35	50	55	57	55	50	55	48	46	45	55	....	49.
	Minimum	15	14	14	12	20	25	15	12	14	12	6	-2	-7	-2	2	3	7	10	20	7	6	12	7	7	8	18	20	15	12	14	....	10.
Eureka	Maximum	72	71	67	61	55	38	32	43	55	56	40	28	26	40	50	51	57	57	48	37	52	55	50	51	49	44	53	45	52	47	....	49.
	Minimum	31	45	44	37	25	18	20	7	20	23	15	-5	-7	4	11	12	19	21	25	8	11	21	23	18	26	28	20	22	15	31	....	19.
Imlay	Maximum	65	66	69	70	65	60	62	60	61	52	50	40	41	40	44	45	50	48	45	40	40	44	46	45	46	59	50	49	50	45	....	51.
	Minimum	22	20	18	24	25	18	15	17	15	19	18	2	1	6	10	12	10	9	10	12	13	10	11	33	34	49	47	30	28	20	....	18.
Paradise Valley	Maximum	65	68	67	67	60	49	42	45	55	41	31	25	31	45	50	59	55	47	42	43	40	54	49	48	49	38	50	35	42	38	....	47.
	Minimum	22	27	24	22	27	22	25	10	13	23	5	4	-10	-2	5	6	10	10	22	4	6	10	18	9	14	35	20	24	14	14	....	14.
Tecoma	Maximum	60	63	66	70	52	48	50	37	52	42	40	32	22	28	40	41	43	50	47	48	46	45	51	36	34	37	38	34	36	40	....	44.
	Minimum	20	19	22	21	16	12	18	11	10	8	3	0	-10	-4	0	2	4	5	3	6	5	5	10	3	2	5	4	3	5	9	....	7.
Winnemucca	Maximum	69	74	69	64	43	43	45	49	59	50	31	25	30	43	50	52	55	48	42	44	47	54	49	52	53	47	56	44	46	48	....	49.
	Minimum	22	30	28	24	28	31	20	14	19	20	6	3	-3	5	10	7	9	10	16	8	8	12	22	12	16	27	27	26	20	25	....	16.
Truckee Basin.																																	
Franktown	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Reno	Maximum	71	76	68	62	40	45	48	54	61	61	39	32	33	41	49	54	55	52	44	47	54	60	56	53	55	53	59	47	52	48	....	52.
	Minimum	28	39	40	33	32	31	26	21	22	26	15	10	12	8	12	13	17	24	22	15	17	23	28	22	28	31	25	26	21	23	....	23.
Tahoe, Cal	Maximum	65	65	57	49	34	34	40	46	50	51	37	32	38	45	48	48	48	53	41	48	50	50	50	46	46	44	49	42	47	54	....	46.
	Minimum	26	48	31	27	23	20	12	16	20	23	20	10	2	8	12	17	18	24	23	14	18	23	30	20	21	31	23	23	21	25	....	21.
Carson Basin.																																	
Fallon §§	Maximum	65	75	67	68	45	54	46	51	59	60	38	30	31	36	43	47	49	47	45	42	47	52	53	51	50	54	65	47	46	43	....	50
	Minimum	23	29	29	29	32	28	24	17	17	19	19	6	1	4	8	10	12	14	24	12	11	14	25	16	19	30	20	31	13	15	....	18
Gardnerville	Maximum	72	77	70	64	....	53	....	50	58	58	59	....	50	36	45	49	50	61	....	56	49	61	57	50	59	....	61	56	50	....	....	56
	Minimum	22	34	47	34	....	31	....	17	17	18	16	....	4	4	7	11	10	19	....	....	10	15	24	16	21	....	22	24	17	....	....	19
Lahontan	Maximum	67	75	70	65	52	49	43	54	56	60	48	31	30	38	45	50	51	49	44	44	46	53	54	50	49	56	58	59	48	44	....	51
	Minimum	35	36	41	40	34	32	31	24	29	30	19	14	9	12	12	20	22	25	33	10	19	23	29	25	30	34	32	33	24	26	....	26
Walker Basin.																																	
Mina	Maximum	72	74	71	66	62	58	52	52	61	62	48	20	44	41	48	52	58	52	42	42	53	54	53	54	50	57	57	50	54	54	....	53
	Minimum	27	38	37	24	30	25	29	17	20	20	18	16	11	5	8	9	11	16	30	9	15	21	22	15	22	33	23	23	22	25	....	20
Yerington	Maximum	65	74	68	64	55	53	44	47	56	55	54	33	29	35	41	48	48	49	45	40	42	49	50	47	48	55	62	56	47	47	....	50
	Minimum	23	15	36	30	32	31	18	16	16	21	15	6	0	1	5	11	9	15	19	12	12	14	22	15	18	41	20	29	25	15	....	18
Bridgeport, Cal	Maximum	62	64	52	40	29	31	38	46	48	45	45	42	35	34	42	47	47	44	32	30	49	40	40	45	45	44	40	40	43	40	....	42
	Minimum	16	32	30	20	23	15	15	12	15	12	12	8	0	-4	0	-4	-4	8	9	-5	-3	16	17	9	14	14	14	15	10	14	....	11
Colorado Basin.																																	
Indian Springs	Maximum	74	75	74	69	59	58	58	62	68	74	67	46	55	49	57	63	66	65	66	59	60	63	61	62	63	62	62	64	61	60	....	62
	Minimum	36	34	35	34	37	25	25	24	27	28	30	24	15	15	22	22	23	26	28	30	25	25	23	23	20	21	22	25	25	24	....	25
Las Vegas	Maximum	80	82	81	79	76	67	65	65	72	76	79	69	49	62	66	68	73	79	72	66	65	65	65	69	68	68	68	70	69	68	....	70
	Minimum	47	38	37	45	44	34	38	38	35	35	32	37	26	20	23	26	32	29	40	49	38	23	25	27	27	29	29	30	30	27	....	33
Logan	Maximum	....	....	81	77	67	65	65	65	71	70	72	59	48	59	65	68	72	71	66	67	62	62	63	67	67	63	66	67	68	67	....	66
	Minimum	36	39	35	39	49	31	40	36	30	30	32	36	27	25	23	24	28	33	38	47	34	24	24	26	26	33	26	29	28	29	....	31
Pioche	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Minor Basins.																																	
Cherry Creek	Maximum	65	71	66	62	51	33	32	42	51	50	39	23	20	39	40	44	48	57	45	34	41	58	46	43	47	41	48	43	40	51	....	45
	Minimum	29	37	45	33	28	22	19	2	20	31	12	1	-3	4	10	12	17	20	30	15	13	18	22	15	22	32	17	29	10	23	....	19
Gerlach	Maximum	67	69	64	61	51	48	49	55	54	48	43	26	28	37	36	37	37	38	40	43	50	53	49	47	48	52	58	53	45	46	....	47
	Minimum	23	22	26	23	28	30	14	16	17	20	13	6	0	1	3	5	4	7	9	10	12	8	5	13	16	23	24	23	13	19	....	14
Goldfield	Maximum	70	70	64	58	49	48	45	45	56	59	52	32	30	42	49	51	56	56	48	42	56	54	49	51	49	56	56	48	54	49	....	51
	Minimum	35	40	36	34	27	23	25	18	24	27	22	12	6	9	16	18	22	24	31	21	20	23	23	22	26	29	23	26	23	25	....	23
Lida	Maximum	69	68	64	59	52	....	....	....	....	....	....	50	32	46	50	56	58	56	47	46	53	....	....	38	50	....	57	49	53	52	....	52
	Minimum	34	33	30	27	28	....	....	....	....	....	....	13	8	14	19	22	28	26	28	22	28	....	....	21	18	....	24	24	21	22	....	23
McDermitt	Maximum	64	70	66	61	57	38	42	45	53	50	33	23	31	44	52	54	55	50	43	43	45	48	51	47	43	44	51	46	44	47	....	48
	Minimum	31	35	33	29	23	26	21	18	22	23	6	4	0	8	9	18	20	20	5	12	15	18	20	22	24	32	25	19	20	27	....	19
McGill	Maximum	69	72	67	63	58	40	43	45	57	56	48	35	28	38	43	45	50	58	46	42	47	58	49	45	53	41	52	42	52	50	....	49
	Minimum	31	49	45	40	24	15	23	11	21	29	15	6	0	3	12	20	19	21	28	19	19	26	26	17	20	28	18	31	16	37	....	22
Millett	Maximum	62	73	68	64	53	50	42	46	55	60	49	39	33	41	41	53	51	47	43	41	47	48	48	46	57	51	58	51	45	45	....	5
	Minimum	21	27	32	23	25	20	25	19	14	15	14	9	-2	0	4	7	9	9	30	4	11	9	15	12	12	34	15	32	12	15	....	1
Oasis Ranch	Maximum	71	69	70	61	57	58	55	54	59	68	51	37	32	41	48	51	53	56	45	43	49	54	53	50	48	54	55	48	53	47	....	5
	Minimum	28	29	27	26	34	24	27	18	20	19	18	15	7	5	7	9	10	15	20	24	17	12	15	16	17	22	18	19	16	17	....	1
Rebel Creek	Maximum	67	61	72	63	56	51	46	48	55	47	31	26	33	45	53	56	57	51	40	46	49	55	54	50	50	50	53	49	55	48	....	5
	Minimum	28	35	40	45	28	26	27	21	28	28	15	7	1	8	16	15	17	23	22	14	14	24	27	20	22	29	28	24	28	18	....	2
Rhyolite	Maximum	72	67	70	71	68	62	47	57	62	61	55	18	35	50	56	59	65	58	50	49	53	48	50	46	49	52	55	60	63	58	....	5
	Minimum	47	48	45	43	37	31	30	32	38	40	33	27	18	24	31	33	38	35	36	34	35	30	34	31	35	33	35	37	39	34	....	34
Sand Pass	Maximum	63	68	67	62	49	49	....	51	59	60	45	34	34	40	48	50	50	44	42	44	47	53	53	50	55	52	58	50	45	46	....	5
	Minimum	30	33	32	45	29	33	....	19	20	26	17	10	9	9	9	12	14	15	21	12	10	13	22	20	22	31	24	26	17	19	....	2
Searchlight	Maximum	80	81	76	72	62	60	53	53	62	72	68	61	39	45	53	56	61	65	60	55	52	59	59	57	61	60	63	62	59	67	....	61
	Minimum	52	54	51	47	43	43	40	33	44	45	45	33	21	25	35	40	44	44	41	42	36	40	36	41	43	44	42	41	40	47	....	41
Sharp	Maximum	67	68	70	67	58	46	44	42	57	59	55	42	27	40	47	51	56	55	46	47	52	51	55	48	54	52	50	48	48	50	....	51
	Minimum	34	38	35	30	27	26	21	22	27	23	22	8	-1	2	14	14	14	28	30	11	17	18	17	28	26	18	20	20	16	20	....	2
Sulphur	Maximum	61	68	64	61	51	41	44	48	56	48	37	28	28	34	43	46	47	39	38	40	44	48	49	46	49	47	57	51	40	45	...	4
	Minimum	27	30	27	30	32	35	23	16	12	18	10	5	0	1	8	9	10	15	17	10	9	14	17	13	18	23	26	22	14	15	....	1
Tonopah	Maximum	64	66	60	55	43	47	35	41	50	53	37	24	25	37	45	46	50	52	42	36	48	48	43	46	41	50	51	43	48	45	....	4
	Minimum	46	48	41	39	26	23	23	21	33	36	18	8	6	13	27	27	33	36	24	16	24	34	34	29	32	33	33	32	31	35	....	2

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
NO RAIN
0
0.5
1
2
4
6
8

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U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

NEVADA SECTION

DECEMBER, 1916

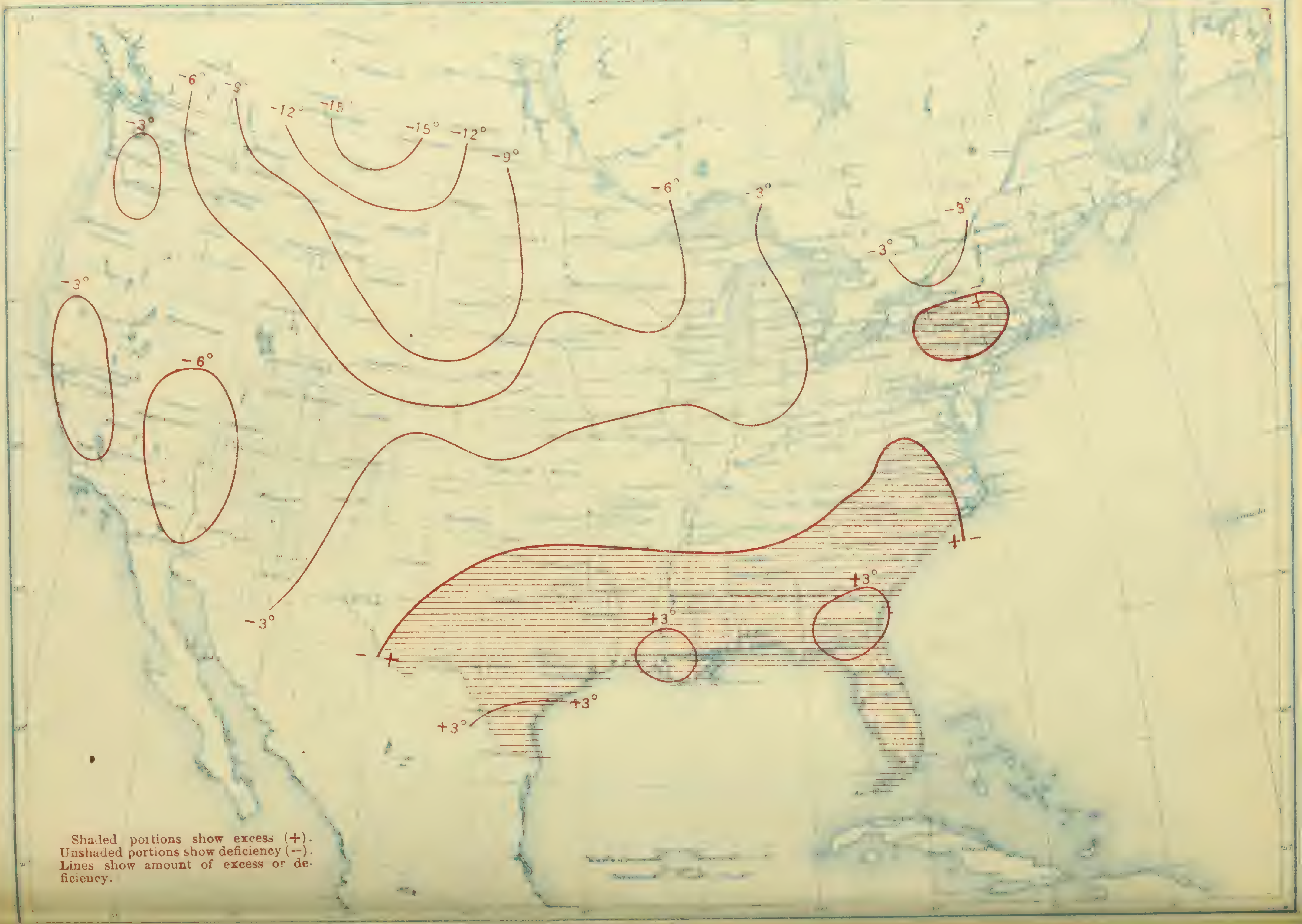
BY

HENRY F. ALCIATORE

METEOROLOGIST.

RENO, NEVADA
WEATHER BUREAU OFFICE
JANUARY 15, 1917.

Departure of the Mean Temperature from the Normal, December, 1916.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALCIATORE, Meteorologist.

Vol. XXXI. Reno, Nevada, December, 1916. No. 12.

GENERAL SUMMARY.

The month of December was cold and cloudy in the northern portion of the State; the temperature was below normal over the entire State, except in the extreme southern part.

While the precipitation was below normal, except on the northern border and the northeastern portion, the snowfall was above the average in the northern and about the average in the southern portion of the State. At the mountain snowfall stations in the Truckee Basin the snowfall was about 30 per cent above the average, in the Carson Basin about 50 per cent above the average, and in the Walker Basin about the average. This snow has settled down and the present outlook for the supply of water is encouraging.

W. B.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 41 stations, was 27.6°. The mean for the 22 stations having ten or more years' record was 3.1° below normal. The highest recorded was 70°, at Pahrump on the 5th; the lowest was —30, at San Jacinto on the 27th. The greatest daily range was 50°, at San Jacinto on the 15th, 17th, 22d, and 27th and Pahrump on 12th and 16th. The highest monthly mean was 42.3°, at Las Vegas; the lowest was 17.1°, at Gold Creek.

PRECIPITATION.

The average for 49 stations reporting was 0.87 inch. For the 25 stations having ten or more years' record, the mean was 0.16 inch below the normal. The average amount at 3 stations in the Columbia Basin was 1.94 inches; at 16 stations in the Humboldt Basin, 0.77 inch; at 5 stations in the Truckee Basin, 5.36 inches; at 5 stations in the Carson Basin, 1.55 inches; at 5 stations in the Walker Basin, 0.55 inch; at 2 stations in the Colorado Basin, 0.30 inch; at 20 stations in the minor basins, 0.66 inch. The greatest monthly fall was 8.06 inches, at Marlette Lake; the least, 0.05 inch, at Lovelock. The average number of days with precipitation was 5.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric pressure (sea level).			Mean relative humidity.		Wind.			
							Max. velocity.		
	Mean.	Highest.	Lowest.	5 a. m.	5 p. m.	Average hourly velocity.	Miles per hour.	Direc.	Date.
Reno	30.08	30.72	29.19	76	56	6.9	44	sw.	2
Winnemucca	30.10	30.71	29.09	78	58	8.2	48	sw.	24
Tonopah	30.08	30.71	29.17	69	60	10.8	44	nw.	19

SUNSHINE AND CLOUDINESS.

At Reno, 65 per cent of the possible sunshine was recorded, at Winnemucca, 50 per cent; at Tonopah, 71 per cent. For the State, the average number of clear days was 13; partly cloudy 6; cloudy, 12.

MISCELLANEOUS PHENOMENA.

(Dates of.)

Brisk winds.—1, 2, 3, 4, 5, 13, 19, 20, 21, 22, 23, 24, 25.
Fog.—5.
Sleet.—3, 6, 19.
Solar halos.—5, 7, 30.
Lunar halos.—1, 7, 9, 10, 12, 15, 20.

COMPARATIVE DATA FOR DECEMBER.

Year.	Temperature.			Average precipitation.	Average snowfall	Number of days				Prevailing wind
	Mean.	Highest	Lowest.			With precipitation	Clear	Partly cloudy	Cloudy	
1889	34.4	70	−20	4.09	23.0	13	4	6	21	s.
1890	35.1	73	0	1.00	1.0	5	11	9	11	sw.
1891	26.3	66	−33	2.75	22.3	8	8	9	14	n.
1892	30.4	63	−23	1.23	4.0	5	8	6	17	s.
1893	34.3	72	−15	0.69	5.2	4	13	7	11	s.
1894	27.6	64	−32	2.50	19.7	9	7	8	16	w.
1895	28.0	78	−34	0.42	5.9	4	12	10	9	n.
1896	34.6	73	−10	0.40	2.3	2	14	10	7	s.
1897	29.1	69	−14	1.06	4.9	4	13	7	11	w.
1898	25.3	70	−15	0.18	2.8	3	16	7	8	n.
1899	28.4	68	−25	1.15	8.1	4	14	7	10	ne.
1900	33.1	71	12	0.19	0.9	1	14	6	11	sw.
1901	32.5	78	−19	0.69	2.2	3	17	7	7	sw.
1902	33.7	78	2	0.35	0.9	2	13	7	11	sw.
1903	30.4	71	− 9	0.14	1.2	1	20	6	5	n.
1904	33.3	76	−23	0.51	3.1	2	14	6	11	n.
1905	22.5	68	−21	0.60	6.4	3	15	7	9	sw.
1906	33.5	74	−21	1.91	12.7	6	8	10	13	s.
1907	35.6	78	−11	1.47	6.2	5	10	10	11	sw.
1908	27.6	67	−20	0.19	1.6	1	15	8	8	w.
1909	23.3	70	−25	1.54	7.4	6	10	7	14	n.
1910	33.1	91	− 8	1.15	4.3	5	13	8	10	w.
1911	26.4	69	−31	0.46	6.0	3	15	9	7	sw.
1912	29.8	68	−16	0.23	2.0	2	17	7	7	w.
1913	28.7	69	−22	1.53	8.1	5	12	9	10	w.
1914	24.5	69	−27	0.54	5.6	4	14	7	10	sw.
1915	32.7	81	−28	0.93	5.9	4	12	9	10	w.
1916	27.6	70	−30	0.87	10.3	5	13	6	12	sw.
Entire period	30.1	91	−34	1.04	6.6	4	12	8	11	sw.

CORRECTIONS.

November, 1916.—On page 83, in the barometer, wind, and humidity table, the lowest barometer at Tonopah should be 29.67.

TOPOGRAPHY OF EVAPORATION STATIONS.

Indian Springs.—The country is open to the north, east, and west. Indian Ridge Hills lie about 1,500 feet to the south and rise about 500 feet above the station.

Lamoille.—There are high abrupt hills 900 feet to the west and 1,800 feet to the southeast; the canyon is one mile wide and two miles long. Lamoille Creek skirts the station on the west.

Marlette Lake.—The country is mountainous and rugged; the station is surrounded by hills rising 100 to 900 feet above it.

Tahoe, Cal.—The station is on the east side of Lake Tahoe; timbered mountains lie to the north, south, and west.

Climatological data for December, 1916.

Stations.	Counties.	Elevation, feet.	Temperature, in degrees Fahr. Length of record, years.	Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation, in inches. Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	Number of days. With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.	Prevailing direction of the wind.	Observers.
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	3	17.1	....	40	1	−17	30	33	3	2.26	....	0.50	48.0	14	12	7	12	n.	U. S. Forest Service.
Jack Creek**	do	6,300	....	....	....	....	....	....	....	....	3	....	....	....	....	....	....	....	....	....	C. E. Butler.
Mahoney Ran. sta.**	do	6,200	1	24.6	....	51	†1	−5	8	38	1	2.36	....	1.26	27.6	14	7	3	21	nw.	U. S. Forest Service.
Owyhee	do	5,400	5	....	....	....	....	....	....	....	5	....	....	....	....	....	....	....	....	....	Indian Service.
San Jacinto	do	5,200	11	24.0	+1.1	59	13	−30	27	50	11	1.20	+0.59	0.70	20.6	4	11	6	14	nw.	Utah Construction Co.
Humboldt Basin.																					
Arthur	Elko	6,500	....	....	....	....	....	....	....	....	6	2.19	+0.98	0.89	23.9	7	16	10	5	......	Isaac Woodhouse.
Austin	Lander	6,594	27	27.3	−3.3	52	5	−5	26	34	27	0.50	−0.69	0.21	9.9	5	9	11	8	......	Forest Service.
Battle Mountain	do	4,513	45	....	....	....	....	....	....	....	47	....	....	....	....	....	....	....	....	......	Southern Pacific Co.
Beowawe	Eureka	4,695	45	25.2	−4.3	60	1	−16	27	44	47	0.56	0.27	0.24	7.0	3	8	7	16	w.	Do.
Clover Valley**	Elko	6,000	15	....	....	....	....	....	....	....	23	....	....	....	....	....	....	....	....	......	I. F. Wiseman.
Elko	do	5,063	45	22.4	−4.7	55	†1	−20	27	44	46	1.50	+0.62	0.60	7.2	3	9	2	20	nw.	Western Pacific Co.
Eureka	Eureka	6,837	18	25.6	−5.4	52	1	−10	26	38	20	0.41	−0.56	0.25	12.5	6	9	6	16	n.	Clay Simms.
Golconda	Humboldt	4,392	37	25.2	−5.7	55	3	−10	26	36	39	0.54	−0.29	0.24	3.0	3	12	10	9	......	Southern Pacific Co.
Hylton**	Elko	7,081	....	....	....	....	....	....	....	....	6	1.32	....	0.74	12.0	2	15	8	8	......	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	3	24.6	−7.7	56	5	−9	†12	49	3	0.18	−0.51	0.12	3.0	2	14	6	11	......	Southern Pacific Co
Lamoille	Elko	6,100	1	24.8^{h}	....	52^{h}	4	−5^{h}	†28	41	1	1.55	+0.38	0.50	27.0	7	....	....	....	......	Elko-Lamoille Power Co.
Lovelock	do	3,977	22	27.9	−3.2	64	2	−1	31	45	20	0.05	−0.19	0.05	1.0	1	13	2	16	s.	John R. Montgomery.
Metropolis §	do	5,663	....	21.4	.....	56	2	−15	30	40	7	0.40	−0.74	0.20	7.5	8	5	4	22	sw.	L. F. Hatch.
North Fork	do	6,500	....	....	....	....	....	....	....	....	7	1.10	....	0.35	16.5	5	4	7	20	w.	Chas. Pratt.
Paradise Valley	Humboldt	4,500	3	21.4^{f}	.....	48^{m}	†1	−17	30	43^{m}	7	1.01	....	0.39	10.5	8	7	8	16	nw.	R. M. Taylor.
Potts	Nye	6,002	23	22.6	−1.7	51	5	−17	26	42	25	0.30	−0.16	0.12	5.0	5	9	3	19	s.	Miss Maud Potts.
Tecoma	Elko	4,812	38	21.4	−3.8	47	5	−15	27	40	40	0.38	−0.17	0.15	7.5	4	6	9	16	......	Southern Pacific Co.
Winnemucca	Humboldt	4,344	39	26.6	−4.1	57	5	−8	27	41	47	0.26	−0.73	0.20	3.7	6	8	10	13	sw.	U. S. Weather Bureau.
Truckee Basin.																					
Franktown §	Washoe	5,054	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	......	Agent V. & T. Ry.
Marlette Lake**	Douglas	7,900	1	19.4	....	40	16	−13	25	31	3	8.06	....	2.41	59.0	8	17	2	12	sw.	V. & G. H. Water Co.
Reno	Washoe	4,532	29	31.2	−2.5	56	19	4	25	36	29	0.97	−0.70	0.29	12.5	10	12	11	8	w.	U. S. Weather Bureau.
Bijou, Cal ‡‡		6,230	1	22.4	....	52	19	−18	30	63	7	4.16	....	0.70	29.5	9	8	12	11	sw.	Chas. Young.
McKinney, Cal.**		6,225	....	....	....	....	....	....	....	....	7	6.53	....	1.49	62.3	10	19	3	9	sw.	Henry Soll.
Tahoe, Cal.		6,230	8	25.6	.....	47	20	0	27	33	8	7.06	....	1.73	63.0	10	9	7	15	w.	Mrs. Emma C. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	22	29.6	−2.4	63	†3	5	30	42	22	0.27	−0.31	0.12	2.8	3	16	3	12	w.	U.S. Experiment Station.
Gardnerville	Douglas	4,830	25	32.2	0.0	59	4	−2	26	12	26	0.59	−1.46	0.23	5.0	3	....	....	....	w.	Forest Service.
Lahontan **	Churchill	4,200	4	32.5	....	61	4	5	30	36	6	0.16	....	0.12	3.0	2	16	6	9	w.	U.S. Reclamat'n Service.
Markleeville, Cal.		5,525	....	....	....	....	....	....	....	....	7	4.31	....	1.12	29.0	8	14	5	12	s.	Mrs. Mary Thornburg.
Woodfords, Cal. **		5,634	....	....	....	....	....	....	....	....	7	2.43	....	0.85	28.0	7	18	5	8	sw.	Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	9	29.2	5.6	58	†19	1	27	41	20	0.10	−0.32	0.10	1.3	1	28	0	3	.....	Southern Pacific Co.
Smith	Lyon	4,800	....	....	....	....	....	....	....	....	8	0.35	....	0.20	4.0	3	14	10	7	sw.	C. M. Carter.
Thorne §	Mineral	4,200	3	....	....	....	....	....	....	....	3	....	....	....	....	....	....	....	....	....	Southern Pacific Co.
Yerington §	Lyon	4,375	7	29.0	2.7	62	3	4	30	40	7	0.30	−0.18	0.30	3.0	1	18	0	13	sw.	W. F. Powers.
Bridgeport, Cal.		6,500	3	20.9	....	50	18	−25	27	46	5	1.00	....	0.49	13.0	3	17	7	7	s.	Geo. Delury, jr.
Shields Ranch, Cal.**		5,300	....	....	....	....	....	....	....	....	7	0.98	....	0.43	6.5	8	13	11	7	......	Frank W. Chichester.
Colorado Basin.																					
Indian Springs §	Clark	3,136	3	....	....	....	....	....	....	....	3	....	....	....	....	....	....	....	....	......	Ira McFarland.
Las Vegas	do	2,033	14	42.3	+1.3	68	5	16	9	42	14	0.38	+0.03	0.38	T.	2	21	2	8	s.	C. P. Squires.
Logan §	do	1,355	9	40.2	−2.9	67	5	13	9	41	17	0.21	−0.25	0.21	0	1	11	11	9	......	Experiment Farm.
Mt. Charleston **	do	9,000	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	......	E. W. Griffith.
Pioche	Lincoln	6,100	18	....	....	....	....	....	....	....	18	....	....	....	....	....	....	....	....	......	M. L. Lee.
Minor Basins.																					
Belmont	Nye	8,540	16	....	....	....	....	....	....	....	16	....	....	....	....	....	....	....	....	......	Monitor-Belmont M. Co.
Cherry Creek	White Pine	6,450	8	23.7	......	51	1	−12	†27	36	8	0.92	....	0.22	15.8	8	12	6	13	w.	J. H. Leishman.
Duck Flat**	Washoe	4,725	....	....	....	....	....	....	....	....	2	0.52	....	0.19	7.5	5	19	7	5	sw.	H. J. Muller.
Francis (near)	do	5,350	....	....	....	....	....	....	....	....	2	0.69	....	0.23	9.1	7	17	6	8	sw.	Geo. W. Barnard.
Gerlach	do	3,931	4	27.9	......	56	3	2	30	42	4	0.21	....	0.13	......	4	11	0	20	sw.	Western Pacific Co.
Goldfield	Esmeralda	5,700	9	28.6	.....	53	19	−4	26	34	11	0.32	....	0.18	6.0	2	19	5	7	s.	R. W. Robinson.
Jungo	Humboldt	4,165	....	....	....	....	....	....	....	....	3	0.56	....	0.48	4.0	2	4	13	14	sw.	Western Pacific Co.
Lida §	Esmeralda	6,037	4	....	....	....	....	....	....	....	4	....	....	....	....	....	....	....	....	......	L. F. Detwiler.
McDermitt	Humboldt	4,700	5	25.5	−6.3	54	1	−7	30	33	29	2.06	+0.74	0.70	17.5	5	10	1	20	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	6	26.3	−1.1	52	†1	−14	28	49	6	1.67	+0.56	1.25	16.7	4	10	6	15	n.	R. E. Middagh.
Millett	Nye	5,040	8	25.8	....	58	4	−9	26	44	9	0.08	....	0.05	1.5	2	13	3	15	s.	Fred J. Jones.
Oasis Ranch § **	Esmeralda	5,106	4	27.1	−0.2	58	19	−15	26	41	4	0.48	−0.05	0.48	8.0	1	23	6	2	......	Arthur L. Stewart.
Pahrump	Nye	2,608	3	38.1	....	70	5	10	16	50	3	0.58	....	0.58	....	1	21	8	2	s.	F. M. Buol.
Quinn Riv. Ranch **	Humboldt	4,850	14	25.7^{k}	−3.2	56^{k}	1	−20^{k}	26	42^{k}	15	0.58	−0.27	0.40	7.5	2	....	....	....	sw.	F. M. Payne.
Rebel Creek	do	4,300	4	27.8	....	58	4	−2	†27	32	5	0.55	....	0.21	4.5	8	7	11	13	sw.	Fred Whitaker.
Rhyolite	Nye	3,680	3	37.4	....	63	18	10	27	30	3	0.13	....	0.10	1.0	2	17	8	6	n.	Secretary School Board.
Sand Pass **	Washoe	4,198	3	29.6	....	54	19	8	8	40	3	0.76	....	0.32	11.0	5	11	3	17	nw.	R. R. Mott.
Searchlight	Clark	3,445	3	40.8	....	63	4	15	†26	24	3	0.47	....	0.47	5.0	1	17	3	11	n.	C. L. Aug. Mahn.
Sharp	Nye	6,200	3	26.2	....	51	19	−9	27	38	3	1.31	....	0.96	5.0	3	17	8	6	nw.	F. A. Sears.
Sulphur	Humboldt	4,044	3	26.6	....	55	4	0	26	42	3	0.16	....	0.09	3.0	2	7	12	12	sw.	Western Pacific Co.
Tonopah	Nye	6,090	11	28.2	....	48	1	6	26	24	11	0.52	....	0.42	5.2	2	12	9	10	se.	U. S. Weather Bureau.
Vya	Washoe	5,500	....	....	....	....	....	....	....	....	3	0.72	....	0.30	11.0	5	14	7	10	w.	L. A. Mariette.
For the State				27.6	−3.1	70	5	−30	27	50	....	0.87	−0.16	2.41	10.3	5	13	6	12	sw.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Jack Creek, Tuscarora; of Mahoney Ranger Station, Jarbridge; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of McKinney, Hellman's, Lake Tahoe, Cal.; of Lahontan, Hazen; of Woodfords, Cal., Sheridan, Nev.; of Shield's Ranch, Coleville, Cal.; of Indian Springs, Las Vegas; of Mt. Charleston, Las Vegas; of Duck Flat, Gerlach; of Oasis Ranch, Oasis, Cal.; of Quinn River Ranch, Amos; of Sand Pass, Sheepshead.

Reference letters, ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing, for example, ^{b} represents two days missing, etc.

† Also on other dates. ‡‡ Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for December, 1916.

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	[illegible]
Columbia Basin.																																
Gold Creek (near)				.38	.05	.21			.20	.08	.06							.50	.26	.20	.06	.01	.08	T			.02	.06				[illegible]
Jack Creek																																
Mahoney Ranger Station		T	*	1.26			*	*	*	*	*	.50	T						.20	*	.10	*	.10	.20	T			T				[illegible]
Owyhee																																
San Jacinto				.20															.10	.20				.50								1.00
Humboldt Basin.																																
Arthur				.19	T	.13	T												.20		.20		.38		.89	[illegible]						[illegible]
Austin				T		.01			.01										T	T				.21	.20	.01			T			[illegible]
Battle Mountain																																
Beowawe																		T	T	T	T		.16	.16							T	0.32
Clover Valley																																
Elko					T	T			T										.60	T	T	T	.15	.45	T							1.20
Eureka				.02	T	.03			.01										T	.08		T	.02	.25								0.41
Golconda					.20																		.10	.21								0.51
Hylten																				.71				.58								1.29
Imlay																							.12	.06								0.18
Lamoille ‖				T	.02	.25	.03			T									*	*	*	.37		.50	.33	.05	T					1.55
Lovelock		T																										.05				0.05
Metropolis ‖		.02	T	.02	T	.05				.05							.02	.02	T	.02	T	T	.20					T				0.40
North Fork			.25						.35											.21				.21					.08			1.10
Paradise Valley			T	.20	.01	T			.12										.08	.02	.02		.17	.39			T	T				1.01
Potts						.03			.03															.12	.06	.06						0.30
Tecoma									.08												.05			.10	.15							0.38
Winnemucca***		T	T		.01	T		.01											T	T	T		.02	.20		T	.01	.01				0.26
Truckee Basin.																																
Franktown																																
Marlette Lake ‖			2.41	1.24	T	1.05																	.87	1.18	.95			.26			.10	8.06
Reno***	.11	T	.10	.05	.06																T	.02	.12	.29			.10	.02		T	.10	0.97
Bijou, Cal	.59	.18	.58	.51	.57																	.15	.70	.70				.18				4.16
McKinney, Cal.	.52	.74	.67	.96	.64																.01	.08	1.16	1.49				.16			.10	6.53
Tahoe, Cal. ‖		1.44	.39	1.73	.32	.83																.04	1.06	.83	.23			.19			T.	7.06
Carson Basin.																																
Fallon ‖																								.08	.07			.12				0.27
Gardnerville	T.	.14																				T				.22		.23				0.59
Lahontan								T.															T	.04			.12					0.16
Markleeville, Cal	.75	.39	.83		.46																		1.12	.33	.33						.10	4.31
Woodfords, Cal	.25	.30	.20	.85	.08																		.40	.35	T.							2.43
Walker Basin.																																
Mina																								.10								0.10
Smith		.05	T.																					.10	T		.20				T	0.35
Thorne																																
Yerington																								T.	T			.30				0.30
Bridgeport, Cal.	T.	T.	.20																				.31	.49							T	1.00
Shields Ranch, Cal.	.03	.05	.04	.08	.08																	T	.20	.43				.07			T	0.98
Colorado Basin.																																
Indian Springs ‖																																
Las Vegas																								*	.38							0.38
Logan																								.21								0.21
Mt. Charleston																																
Pioche																																
Minor Basins.																																
Belmont																																
Cherry Creek				.13		.12			.02	T.									.04	.16		T.	.03	.22	.20							0.92
Duck Flat	.02		.19					T.														T.	.17				.02				.12	0.52
Francis (near)	.05	T.		.23	.10																		.01	.09	T	.11					.10	0.69
Gerlach																								.13			.01	.06			.01	0.21
Goldfield			T.																					.14	.18						T	0.32
Jungo		T.				T.			T															T	.48			.08				0.56
Lida																																
McDermitt				.31		T			T.										.15	.30			.60	.70				T.	T			2.06
McGill						.12		T.												.30			T.	*	1.25							1.67
Millett																			.05					.03								0.08
Oasis Ranch																								.48								0.48
Pahrump																								.58								0.58
Quinn River Ranch																			T.	T			.18	.40								0.58
Rebel Creek			.21			.01													.12	.02	.01			.15			.02	.01				0.55
Rhyolite																								.03	.10							0.13
Sand Pass			.02	T.	T.	T.			T														.02	.32			T	.20		T.	.20	0.76
Searchlight																									.47							0.47
Sharp						.06																		*	1.25							1.31
Sulphur		T.	T.		T.				T								T					T.	T.	.09			.07			T.		0.16
Tonopah***																								.42		T.		T.			.10	0.52
Vya ‖	.10																					.20	.30				.08	.04				0.72

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

Daily Evaporation (inches) and Wind Movement (miles) for December, 1916.

(See temperature and precipitation data in Climatological Tables, pages 92 to 96.)

Station.	Data.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Monthly.
ndian Springs*	Evaporation																																
	Wind movement																																
amoille*	Evaporation																																
	Wind movement																																
larlette Lake.,*	Evaporation																																
	Wind movement																																
ahoe, Cal.**	Evaporation	.040							.010			.020			.005	.015	.020	.010	.025	.030	.010												†.185
	Wind movement	67	206	115	188	114	75	47	69	55	80	155	57	56	11	18	36	29	73	67	72	54	120	113	115	81	66	33	104	75	82	66	2,499

* Observations taken at 7 a. m.; ** at 8 a. m. † For ten days only.

Daily temperatures for December, 1916.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek (near)	Maximum	40	39	38	38	36	33	13	22	20	18	21	25	18	28	33	32	28	28	26	25	35	33	30	28	24	27	25	29	17	10	18	27.0
	Minimum	12	22	24	20	13	10	2	9	10	10	6	2	-3	0	2	12	7	20	19	18	12	18	10	0	6	2	12	17	-16	-17	-13	7.2
Owyhee	Maximum																																
	Minimum																																
San Jacinto	Maximum	52	46	55	45	44	45	44	30	32	22	43	43	59	37	52	53	51	43	38	42	35	50	51	34	28	25	20	17	23	23	22	38.8
	Minimum	23	31	34	23	2	5	0	4	21	15	12	32	30	2	2	4	1	4	26	31	18	0	8	9	7	9	-30	-15	-6	-7	-10	9.2
Humboldt Basin.																																	
Austin	Maximum	51	43	50	47	52	43	26	40	32	29	41	44	42	40	48	48	44	48	39	36	43	35	30	36	20	22	25	26	26	34	34	37.9
	Minimum	30	27	26	35	30	9	8	10	17	8	9	22	15	12	20	21	20	17	34	22	23	25	17	19	7	5	-2	9	9	9	14	16.7
Battle Mountain	Maximum																																
	Minimum																																
Clover Valley	Maximum																																
	Minimum																																
Elko	Maximum	55	53	54	55	52	50	29	35	35	35	35	39	35	35	40	45	43	40	40	33	39	38	38	35	35	25	24	20	25	22	22	37.5
	Minimum	14	26	20	18	15	11	5	2	15	12	9	19	15	4	3	9	7	5	19	20	23	8	12	4	4	1	-20	-11	-9	-17	-19	7.2
Eureka	Maximum	52	45	46	46	46	43	26	39	29	25	41	45	41	42	50	50	44	51	40	38	47	36	32	32	25	23	20	23	31	34	31	37.8
	Minimum	11	31	32	32	37	7	2	1	15	10	7	15	12	10	12	14	12	14	30	22	12	12	17	22	7	-10	-7	-1	6	-2	6	13.4
Imlay	Maximum	55	52	53	55	56	50	40	37	37	35	38	40	45	40	41	40	50	47	45	47	45	40	45	47	26	24	27	29	25	20	30	40.7
	Minimum	25	36	34	36	34	31	4	-5	20	-6	8	-9	10	12	-8	-9	11	10	11	10	11	12	10	15	10	-2	-4	-8	-4	-5	-4	8.5
Paradise Valley	Maximum	48	44	41	48														39	45	39	40	37	37	27	25	22	20	28	22	25	29	34.2
	Minimum	24	18	20	25	13	16	3	4	24	4	2	6	8	5	6	18	22	8	28	22	25	10	20	14	2	-15	-14	-8	-9	-17	-14	8.7
Tecoma	Maximum	42	40	42	46	47	32	30	30	32	30	29	40	46	41	40	41	43	40	39	32	30	31	30	33	30	23	20	18	23	20	20	33.5
	Minimum	11	8	12	18	20	12	11	0	8	7	9	30	32	3	1	5	4	0	3	4	10	11	10	12	11	0	-15	17	6	18	12	9.4
Winnemucca	Maximum	56	50	56	55	57	34	32	38	35	36	40	48	45	40	49	48	49	48	46	41	46	41	37	40	25	22	19	26	30	22	25	39.9
	Minimum	26	34	37	29	27	14	7	7	17	7	8	17	11	10	8	7	13	10	36	28	29	18	25	11	-4	-7	-8	-1	1	-4	0	13.3
Truckee Basin.																																	
Franktown	Maximum																																
	Minimum																																
Reno	Maximum	54	52	51	53	56	34	35	45	41	42	45	53	49	48	49	49	54	49	56	45	43	42	40	38	28	27	26	30	32	18	26	42.3
	Minimum	26	37	42	41	27	19	15	15	21	15	16	20	18	17	16	17	18	18	44	26	26	23	22	20	4	5	6	15	12	13	13	20.2
Tahoe, Cal	Maximum	43	36	40	42	35	27	31	40	34	40	42	45	42	43	44	40	45	43	47	38	32	29	30	22	20	27	25	30	33	37	31	35.9
	Minimum	28	27	29	27	31	6	6	7	10	9	17	17	13	12	13	15	16	14	16	26	20	14	17	20	2	1	0	18	15	5	24	15.3
Carson Basin.																																	
Fallon §	Maximum	60	54	63	62	63	43	35	45	41	39	41	51	46	48	46	43	47	51	56	45	53	47	42	35	33	29	30	32	27	20	25	43.6
	Minimum	20	27	33	43	29	13	8	8	17	9	9	13	8	9	7	8	10	9	15	30	24	14	23	33	10	6	7	13	11	5	14	15.6
Gardnerville	Maximum	55	50		59	56		52				47	53	49	47	45	47		50	57	53	51	47				37	28	31	31			47.2
	Minimum	16	33		36	42		10				9	16	11	11	10	9		10	35	33	21	15				-2	2	6	20			17.2
Lahontan	Maximum	55	52	60	61	59	38	36	44	40	41	42	52	48	45	48	46	49	49	57	48	52	44	40	39	28	33	28	34	34	20	29	43.6
	Minimum	25	34	33	44	34	22	15	15	25	20	11	21	19	20	12	19	20	22	33	35	32	22	23	26	18	12	11	12	10	5	12	21.4
Walker Basin.																																	
Mina	Maximum	53	54	54	54	54	53	33	39	37	39	36	54	44	48	52	47	51	50	58	48	58	48	46	39	29	23	24	28	34	34	33	43.7
	Minimum	25	23	34	32	28	21	12	9	18	14	12	14	15	12	15	6	7	11	20	21	20	13	18	24	2	3	1	8	1	4	13	14.7
Yerington	Maximum	57	52	62	60	56	48	32	40	38	38	43	52	45	42	42	45	47	47	58	50	50	42	40	46	31	28	28	28	30	23	23	42.7
	Minimum	22	30	31	45	25	14	7	7	20	7	8	14	11	10	7	8	10	7	26	28	16	12	25	29	12	4	8	14	7	-4	15	15.3
Bridgeport, Cal	Maximum	32	32	41	44	38	39	27	41	35	36	46	48	46	42	49	49	45	50	45	32	34	24	25	21	18	6	10	18	13	5	22	32.7
	Minimum	25	32	31	38	32	11	3	5	2	3	6	11	4	4	6	3	2	10	25	30	13	12	15	20	-7	-23	-25	3	11	-13	-6	9.1
Colorado Basin.																																	
Indian Springs	Maximum																																
	Minimum																																
Las Vegas	Maximum	64	67	64	65	68	58	52	50	57	55	55	60	62	61	58	61	62	63	61	67	54	60	60	58	44	44	42	42	55	54	54	57.3
	Minimum	36	42	35	39	42	42	30	18	16	23	20	20	25	30	19	19	21	25	26	27	21	32	36	38	38	20	17	17	23	26	23	27.3
Logan	Maximum	61	59	60	66	67	59	49	49	50	54	53	55	57	60	57	55	50	57	58	63	56	57	59	55	46	42	40	43	53	55	54	54.8
	Minimum	30	33	36	48	36	40	18	17	13	23	21	21	21	25	19	16	15	16	23	27	21	33	33	41	34	18	20	18	21	27	25	25.5
Pioche	Maximum																																
	Minimum																																
Minor Basins.																																	
Cherry Creek	Maximum	51	44	45	44	49	42	21	31	28	26	39	40	39	31	44	45	40	46	38	35	35	33	35	36	27	13	13	17	18	12	28	33.7
	Minimum	30	34	30	36	29	11	6	0	18	15	8	30	23	8	9	14	23	10	31	22	20	11	17	27	10	-10	-12	-12	-1	-11	0	13.7
Gerlach	Maximum	48	50	56	55	53	48	45	40	39	38	35	45	47	40	42	43	45	47	52	48	47	39	35	36	26	22	21	26	26	17	18	39.6
	Minimum	20	33	30	41	19	14	3	5	20	18				10	5	6	10	10	25	31	30	16	24	25	11	5	11	12	6	-2	15	16.2
Goldfield	Maximum	48	45	41	43	50	42	31	42	33	38	44	52	49	44	47	50	47	47	53	46	43	44	44	32	30	23	19	21	30	34	29	40.0
	Minimum	28	31	31	35	31	20	10	9	11	14	18	24	19	17	15	16	21	16	26	31	15	13	15	29	10	4	1	5	8	6	11	17.1
Lida	Maximum																																
	Minimum																																
McDermitt	Maximum	54	48	47	48	47	34	29	29	33	33	31	47	44	43	44	44	45	40	39	33	37	36	33	31	24	23	22	26	25	26	26	36.2
	Minimum	26	33	31	32	29	14	7	8	19	12	12	22	14	15	15	17	19	16	29	24	27	9	20	13	1	-5	-5	7	10	-7	-5	14.8
McGill	Maximum	52	46	42	48	46	43	27	52	27	28	42	41	44	37	48	49	46	49	42	39	39	37	34	33	30	18	18	20	22	20	30	37.1
	Minimum	33	31	27	36	32	12	6	3	18	17	10	31	29	11	11	17	22	15	33	21	17	15	17	26	9	-5	-3	-14	0	-2	6	15.5
Millett	Maximum	55	48	50	58	55	54	38	35	37	34	41	51	48	43	40	40	46	43	49	45	52	43	37	35	27	22	16	26	30	28	31	40.5
	Minimum	22	27	31	37	22	19	7	0	19	3	3	14	4	10	1	0	3	4	23	30	18	8	14	24	12	-9	-8	0	16	-6	0	11.2
Oasis Ranch	Maximum	51	47	50	46	49	48	33	38	37	43	55	50	45	41	43	47	50	46	58	48	55	46	45	36	30	20	23	26	27	25	33	41.6
	Minimum	28	26	30	31	25	22	15	5	11	12	14	11	16	13	8	7	10	9	17	25	19	10	20	28	7	-15	-9	4	-5	-5	3	12.6
Rebel Creek	Maximum	52	50	54	58	49	34	32	33	36	39	32	47	49	46	45	45	48	44	42	37	40	38	35	35	25	25	22	27	27	25	30	38.7
	Minimum	25	28	30	26	29	16	9	11	22	15	15	23	18	16	16	18	21	19	30	25	28	18	24	18	10	3	-2	4	9	2	-2	16.9
Riverside	Maximum	58	56	59	50	46	39	34	40	43	50	55	51	58	57	50	53	59	63	57	55	59	54	50	38	31	30	35	29	35	42	46	47.8
	Minimum	43	38	34	33	30	28	23	27	26	29	28	30	29	29	24	26	29	33	30	30	34	31	28	26	15	12	10	19	23	20	23	27.1
Sand Pass	Maximum	50	51	54	57	51	37	32	37	40	41	40	49	47	42	44	49	49	48	54	50	46	41	35	38	29	25	24	28	27	24	23	40.7
	Minimum	20	35	39	43	26	12	9	8	19	10	10	14	9	14	10	9	12	12	33	30	30	20	25	23	14	10	10	19	13	14	18	18.4
Searchlight	Maximum	61	56	58	63	62	54	40	38	46	43	47	60	60	52	54	56	58	58	58	57	54	48	50	42	38	32	29	33	37	42	46	49.4
	Minimum	43	38	43	42	41	39	27	23	23	30	26	36	38	40	37	42	38	35	35	36	32	38	32	33	27	15	15	17	17	30	27	32.1
Smith	Maximum	50	44	44	48	45	41	27	32	28	29	45	47	48	41	42	48	47	49	51	45	44	40	45	35	32	28	22	22	28	26	28	38.6
	Minimum	24	30	25	30	20	20	10	4	7	11	12	20	21	14	8	17	20	11	24	26	12	14	14	18	12	-5	-9	-8	12	4	12	13.9
Sulphur	Maximum	49	50	54	55	54	42	31	33	36	35	36	44	45	44	37	42	43	47	45	46	46	39	34	38	34	28	20	27	28	21	19	38.8
	Minimum	18	27	37	42	33	14	8	6	13	11	10	15	12	8	12	8	11	10	14	12	15	17	22	20	13	0	3	5	4	12	10	14.3
Tonopah	Maximum	48	38	40	43	43	32	23	32	29	31	40	46	42	38	43	43	42	42	47	40	44	38	36	30	14	15	17	19	25	31	27	34.8
	Minimum	31	30	29	36	32	15	12	16	18	16	20	31	27	20	24	29	30	28	34	26	20	22	21	14	8	6	6	10	17	16	18	21.5

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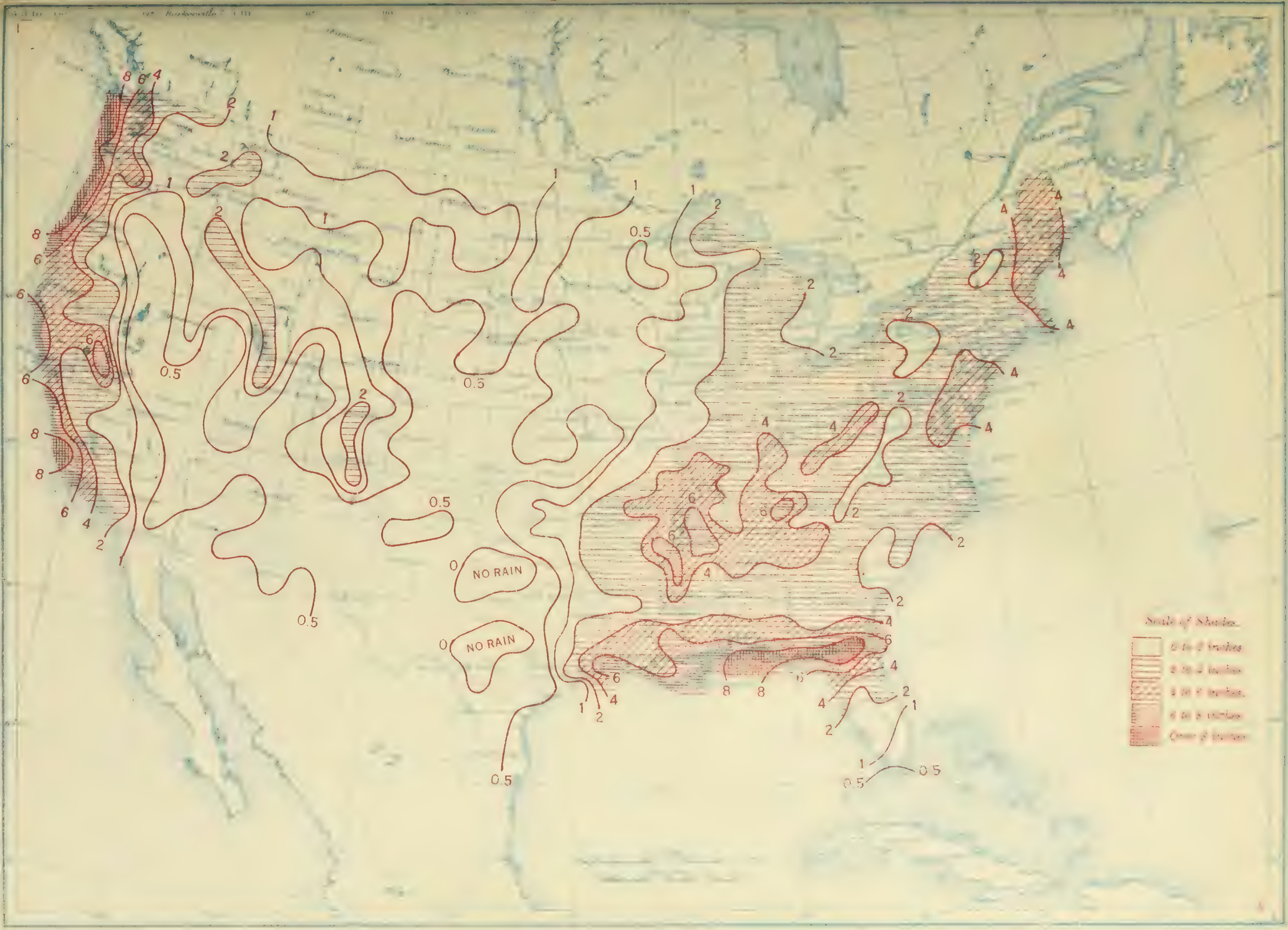
§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Total Precipitation, Inches, December, 1916.



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CLIMATOLOGICAL DATA

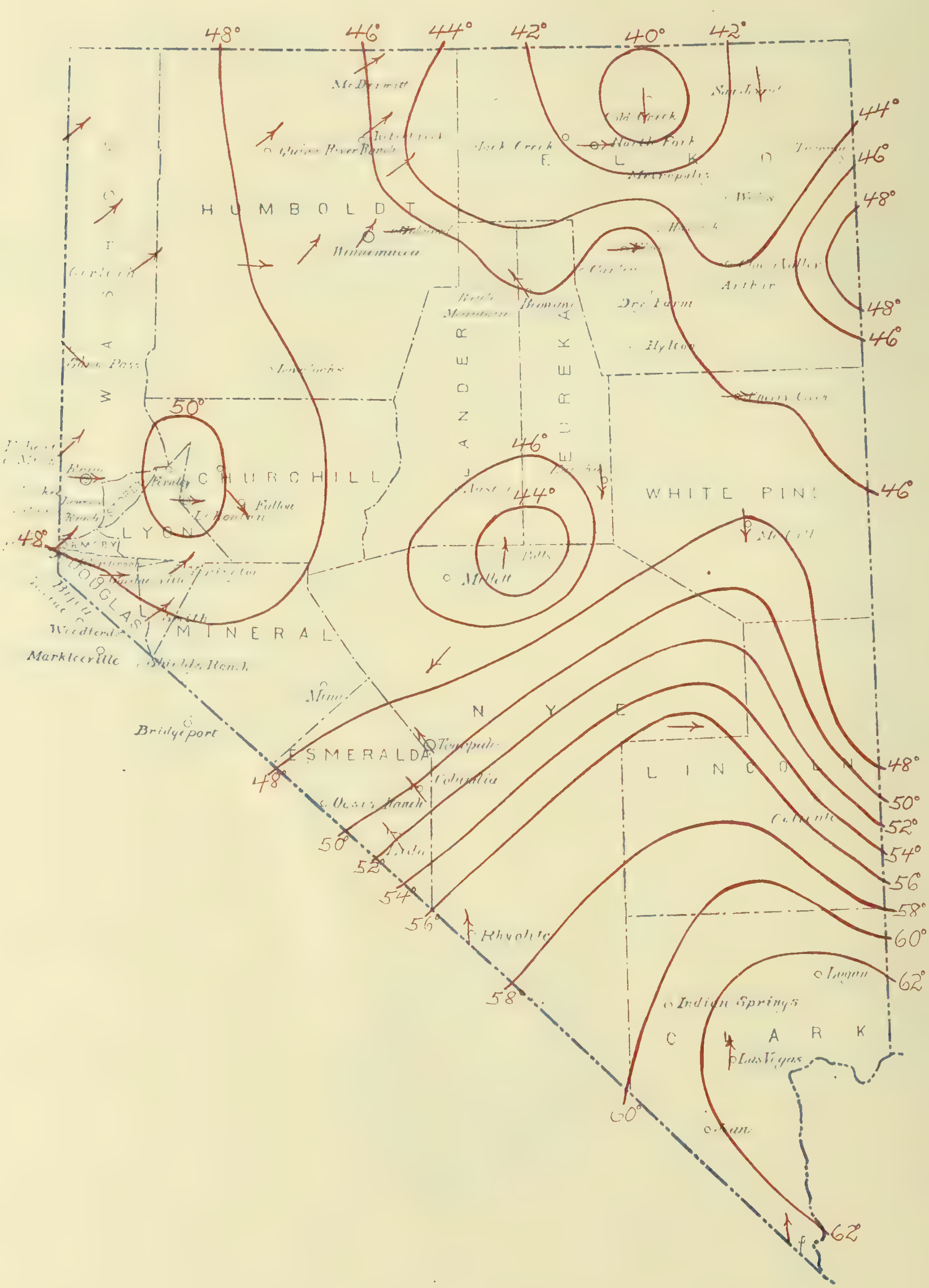
NEVADA SECTION

ANNUAL SUMMARY, 1916

BY
HENRY F. ALCIATORE
METEOROLOGIST

RENO, NEV.
WEATHER BUREAU OFFICE
JANUARY 23, 1917.

Mean annual temperature and prevailing direction of the wind, year, 1916.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALCIATORE, Meteorologist.

VOL. XXXI. RENO, NEVADA, YEAR, 1916. No. 13

GENERAL SUMMARY.

On the whole, the year was somewhat cooler and wetter than usual. The initial month was the stormiest and wettest January experienced in 26 years; its snowfall was phenomenal, and in some districts unprecedented; intensely cold weather in the northern counties caused a considerable loss in cattle and sheep by starvation. February, March, and April were relatively mild; the other months were cooler than usual, particularly November, which was the second coldest of record. Cold nights in May damaged the fruit crops, particularly apples. Killing frosts occurred as late as the last decade of July in the northern counties, and also at Franktown, Washoe County, and Potts, Nye County. No damaging frosts occurred in Clark County after March 25th. The temperature extremes, 31° below zero in upper Nye County in January, and 115° in Clark County in July, were within the limits of previous years.

The precipitation was above the normal in January, July, and October, and deficient in the other months. A damaging summer drouth was broken by light, but fairly general rains on the 21st and 22d of September. The ranges were unusually poor, and cattle and sheep were moved southward earlier than usual, looking rather thin. The precipitation in October was one of the heaviest of record, and snow fell early. As compared with the normal, there was an excess of precipitation in Clark, White Pine, Lander, and Churchill Counties, and the greater part of Elko County, while over the rest of the State there was a deficiency. The average for the Section was about 6 per cent above normal. June, with an average of 0.05 inch was the driest, and January, with an average of 3.52 inches, the wettest month. The year's snowfall averaged about 67 inches, which is 168 per cent of the normal. In the upper reaches of the Truckee, Carson, and Walker watersheds the season's snowfall was very heavy, and Lake Tahoe reached an unusually high stage, which insured an ample supply of water for irrigation and other purposes.

The annual percentages of sunshine, as recorded instrumentally at the regular Weather Bureau stations, were: Reno, 78; Winnemucca, 79; Tonopah, 81; as compared with the normal, there was an excess of 6 to 7 per cent. For the State, there was an average of 220 clear, 71 partly cloudy, and 75 cloudy days; the number of clear days recorded this year is the largest in a continuous record of 27 years. The prevailing winds were southwesterly.

THE WEATHER BY MONTHS.

January.—This was the stormiest and wettest month of that name experienced in 26 years. There were several blizzards and cold waves, and, on the 31st, the temperature dropped to 31° below zero at Millet. The snowfall was phenomenal, and in some sections unprecedented. Railroad traffic and mining operations were frequently interrupted. Many cattle and sheep perished by starvation in the northern counties.

February.—The weather was unusually mild and pleasant. The precipitation was generally deficient in spite of frequent light rains and snows in the first and last decades. Cattle and sheep fared well. Some farm work was accomplished, alfalfa and wheat were coming up rapidly, and trees were leafing in the southern districts.

March.—The month opened with unusually cold and stormy weather, and a heavy fall of snow in the mountains. The temperature moderated after the 6th and remained relatively high thereafter. The precipitation was generally deficient. Prospects for an ample supply of water for irrigation were excellent. Stock was in good condition. Alfalfa in the southern counties was doing well. Fruit trees were budding prematurely. Considerable sheep shearing had been done.

April.—High temperature, abundant sunshine, and light rainfall were the principal meteorological features. The total precipitation was only 42 per cent of the normal. Spring planting was progressing rapidly. Grain crops were doing well. The first crop of alfalfa had been cut in the southern districts. Snow surveys in the Lake Tahoe basin indicated that the lake would reach a very high stage in the summer.

May.—The weather, as a whole, was cold, dry, and windy. The nights were unusually cold, and the last freeze occurred later than usual. In spite of showers in the second and third decades, and heavy snows in the northern counties, the precipitation was only 48 per cent of the normal. Agricultural interests were unfavorably affected, and, in most counties the season was backward. Fruit was damaged considerably, particularly apples.

June.—This was a cool, dry, and sunny month. The chief feature was a late and unusually severe freeze on the 21st. The month's precipitation was only 9 per cent of the normal. At Winnemucca the percentage of the possible sunshine was 94. The temperature was too low generally for growing crops, and the weather too dry for the ranges; cattle and sheep were in fair condition; fruit was again damaged by frost, except in the extreme south.

July.—The chief features were: Low humidity, excessive sunshine, high temperatures in the south, and late frosts in some of the northern counties. Fairly heavy and beneficial showers occurred in some counties, but elsewhere the precipitation was deficient. The lower ranges suffered from the drouth, and cattle were thin. Irrigation water was plentiful. Alfalfa and small grains were promising, and a large potato crop was indicated. Fruit was practically a failure, but the Moapa Valley cantaloupe crop was large.

August.—The weather was cool and dry, with a number of chilly nights. The precipitation was about 50 per cent of the normal. Frosts damaged tender vegetation in northern localities. The drouthy conditions that prevailed since March had seriously damaged the ranges. All irrigated crops looked promising, and a record breaking potato crop was expected. The cantaloupe crop proved excellent.

September.—The light but fairly general rains of the 21st and 22d broke one of the longest summer drouths on record, and brought the month's rainfall about up to the normal. A severe freeze, with temperatures of 16° to 32° in all but the extreme southern districts, occurred in the second decade. Small grains were harvested and yielded well, and potato digging was well under way. Cattle and sheep were coming in from the summer ranges earlier than usual, looking rather thin. The rains put the soil in good condition for fall plowing.

October.—The month, as a whole, was cold and wet. The precipitation has been exceeded but once in the last 28 years, and most of it occurred during the first decade. Snow fell much earlier than usual. The alfalfa and potato crops have been very good. The soil was in good condition for the seeding and sprouting of fall grain, and for plowing. Range conditions had improved.

November.—In the last 28 years there has been but one November colder than this one, namely, in 1898. The precipitation was 56 per cent below the normal, in spite of fairly good rains and heavy snows in the northern and western districts. The snowfall was somewhat heavier than usual in parts of the

Truckee and Columbia Basins; at Marlette Lake the fall was 20 inches. The sunshine was considerably above normal.

December.—The mean temperature was above the normal at San Jacinto and Las Vegas, but deficient at all other stations. There was an excess of precipitation in some districts and a deficiency in others; the average for the State was about 84 per cent of the normal. Heavy snow fell in the Truckee and Carson watersheds, and a normal amount in the Walker watershed. In the northern counties the snowfall was unusually heavy.

KILLING FROSTS.

Stations	Last in Spring	First in Autumn
Arthur	June 21	Sept. 10
Austin	*June 23	*Sept. 10
Battle Mountain	*June 28	...
Belmont	*June 22	*Sept. 11
Beowawe	*July 3	*Aug. 18
Cherry Creek	June 22	Sept. 10
Clover Valley	June 22	Sept. 10
Columbia	*May 26	...
Duck Flat	July 26	Aug. 17
Elko	July 20	*Aug. 19
Eureka	June 22	Sept. 10
Fallon	June 1	Sept 10
Francis	May 8	Aug. 17
Franktown	*July 27	*Aug. 30
Gardnerville	*June 2	*Sept. 12
Gerlach	*June 21	*Sept. 10
Golconda	*June 21	*Sept. 9
Gold Creek	*July 29	*Aug. 12
Goldfield	.....	*Oct. 2
Hylton	June 20	Aug. 19
Imlay	*June 21	*Sept. 11
Indian Springs	.....	*Oct. 24
Jack Creek	July 18	Aug. 19
Lahontan	*May 24	*Oct. 4
Lamoille	.	*Sept. 10
Las Vegas	*Feb. 1	*Nov. 11
Lida	*May 24	*Oct. 4
Logan	*March 25	*Nov. 6
McDermitt	June 20	Aug. 18
McGill	*June 22	Sept. 10
Marlette Lake	....	*Sept. 27
Metropolis	....	Aug. 20
Millett	*June 22	Sept. 10
Mina	*April 30	*Sept. 8
Mt Charleston	....	Sept. 11
North Fork	June 21	Aug. 18
Oasis Ranch	May 25	*Sept. 11
Owyhee	......	*Aug. 6
Paradise Valley	July 3	Aug. 18
Pioche	*May 25	*Oct. 4
Potts	*July 29	*Aug. 19
Quinn River Ranch	*June 28	*Aug. 19
Rebel Creek	June 21	*Sept. 11
Reno	*May 24	Oct. 5
Rhyolite	*May 25	*Nov. 6
Sand Pass	*May 24	*Oct. 4
San Jacinto	June 22	*Aug. 6
Searchlight	*March 24	Nov. 13
Sharp	*May 26	Aug. 18
Smith	May 30	Aug. 16
Sulphur	*June 21	*Sept. 11
Tecoma	*July 3	*Aug. 17
Thorne	....	*Oct. 5
Tonopah	*May 24	Oct. 4
Vya	June 18	Aug. 17
Wells	*July 30	*Aug. 12
Winnemucca	June 22	Sept. 11
Yerington	*June 2	*Sept. 12

*Indicates last day in Spring or first day in Autumn with temperature of 32° or lower, no killing frost being reported.

TEMPERATURE AND PRECIPITATION FOR NEVADA, 1916.

Month.	Temperature (deg. Fahrenheit).				Precipitation in inches.					Sky.			Prevailing direction of the wind.
	Mean.	Departure.	Highest.	Lowest.	Average.	Departure.	Greatest local amount.	Average snowfall.	No. days .01 or more.	Clear.	Pt. Cloudy.	Cloudy.	
January	24.1	−5.2	66	−31	3.52	+1.98	14.46	36.1	11	9	6	16	sw.
February	36.8	+4.0	80	−25	0.89	−0.13	3.20	7.2	5	14	6	9	w.
March	45.2	+5.3	92	2	0.74	−0.31	2.70	4.7	4	18	6	7	w.
April	50.4	+2.1	99	12	0.31	−0.42	2.48	1.1	2	18	8	4	w.
May	52.2	−2.7	101	11	0.48	−0.51	2.09	1.9	2	17	8	6	w.
June	62.5	−2.2	112	19	0.05	−0.48	0.48	0.1	0	21	7	2	sw.
July	71.0	−1.6	113	30	0.31	+0.02	1.23	0.0	2	25	4	2	sw.
August	67.7	−2.8	112	21	0.25	−0.21	1.92	0.0	1	23	5	3	sw.
September	61.6	0.0	106	16	0.32	−0.04	1.28	T.	1	24	4	2	sw.
October	46.3	−3.2	88	8	1.68	+1.25	5.21	3.0	6	19	5	7	w.
November	35.5	4.0	82	−13	0.34	−0.44	2.21	2.8	2	19	6	5	sw.
December	27.6	3.1	70	30	0.87	0.16	8.06	10.3	5	13	6	12	sw.
Annual:	48.4	1.1	113	−31	9.76	+0.55	14.46	67.2	11	220	71	75	sw.

COMPARATIVE ANNUAL DATA FOR NEVADA.

Year.	Temperature.			Average precipitation.	Average snow fall.	No. rainy days.	No. clear days.	No. partly cloudy days.	No. cloudy days.	Prevailing wind direction.
	Mean.	Maximum.	Minimum.							
1890	43.6	118	−39	12.88	62.0	46	200	88	77	s.
1891	48.3	101	−30	14.06	50.6	55	164	101	100	s.
1892	48.5	115	25	10.54	47.2	43	173	99	94	w.
1893	48.3	110	−40	9.22	56.2	41	192	74	99	sw.
1894	48.8	108	41	10.89	67.2	52	172	86	107	w.
1895	47.1	112	−35	7.90	49.8	36	181	94	90	sw.
1896	48.7	117	−26	10.61	27.2	43	162	101	103	w.
1897	48.5	116	−22	9.79	48.1	47	165	99	101	w.
1898	47.9	114	−28	6.49	25.6	32	199	87	79	w.
1899	48.6	110	−29	9.12	47.1	37	184	83	98	sw.
1900	49.6	113	−12	8.25	33.0	48	176	96	93	sw.
1901	48.0	104	−27	13.20	39.7	52	187	92	86	sw.
1902	48.0	117	−32	7.25	44.7	37	197	89	79	sw.
1903	48.1	114	−32	7.06	31.8	29	219	77	69	sw.
1904	49.2	110	−23	10.62	26.6	45	186	87	93	sw.
1905	47.1	109	−37	8.32	36.5	38	194	87	84	sw.
1906	48.5	115	−22	15.87	54.0	53	172	96	97	s.
1907	49.4	113	−28	13.06	43.3	47	164	104	97	w.
1908	49.3	116	−20	6.34	22.7	33	189	98	79	w.
1909	49.1	116	−18	11.03	36.7	45	179	101	85	w.
1910	52.0	114	−28	5.53	24.4	30	202	87	76	w.
1911	47.7	113	−28	7.84	29.3	41	196	93	76	w.
1912	47.9	113	−29	6.99	24.6	43	185	99	82	w.
1913	48.8	113	−38	10.99	26.5	49	181	96	88	w.
1914	50.5	122	−27	9.43	30.1	41	195	93	77	w.
1915	50.6	112	−28	7.97	34.0	40	194	88	83	w.
1916	48.4	113	−31	9.76	67.2	41	220	71	75	sw.
Means	48.8	122	−41	9.67	40.2	42	186	91	88	w.

SUPPLEMENTAL TABLE, MONTHLY AND ANNUAL PRECIPITATION FOR THE YEAR 1916.

Stations.*	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	Annual.
Bijou	15.16	2.98	1.78	0.20	0.51	T.	0.00	0.16	0.99	1.66	1.39	4.16	28.99
Bridgeport	6.70	1.64	1.22	T.	0.17	0.00	0.00	0.08	0.30	2.06	0.24	1.00	13.41
Fallen Leaf	15.25	4.70	3.11	0.00	0.38	T.	0.00	0.50	.....	.....	.....	.....	.....
Hobart Mills	15.29	2.42	2.90	0.04	0.30	0.04	0.11	0.64	.....	.....	.....	.....	.....
McKinney	19.30	4.28	3.65	0.22	0.77	0.05	0.09	.....	0.56	2.81	2.35	6.53	.....
Markleeville	10.95	1.04	0.56	0.52	0.24	0.00	T.	0.40	0.74	1.72	1.00	4.31	21.48
Shields Ranch	7.14	0.66	0.46	0.22	0.04	0.00	T.	0.25	0.20	1.94	0.61	0.98	12.50
Tahoe	18.20	4.62	4.47	0.07	0.53	T.	0.08	0.22	0.28	1.20	2.46	7.06	39.19
Tallac	11.44	3.19	3.79	0.63	0.43	0.04	0.10	0.37	.....	.....	.....	.....	.....
Woodfords	12.68	3.94	0.37	.....	0.28	T.	T.	.....	0.70	2.99	0.95	2.43	.....

* Mountain snowfall stations in California, located in drainage basins of streams which flow into Nevada.

MONTHLY EVAPORATION AND WIND MOVEMENT FOR 1916.

(See temperature and precipitation data in Climatological Tables, pages 100 to 105.)

Month.	Tahoe, Cal.**		Marlette Lake, Nev.*		Lamoille, Nev.*		Indian Springs Nev.*	
	Evaporation.	Wind movement.	Evaporation.	Wind movement.	Evaporation.	Wind movement.	Evaporation.	Wind movement.
	Inches.	*Miles.*	*Inches.*	*Miles.*	*Inches.*	*Miles.*	*Inches.*	*Miles.*
July	5.240	2,012	....	....	8.932^{a}	1,929^{a}	13.751	1,946
August	5.660	1,931	....	....	9.180	1,889	13.076	1,815
September	4.590^{b}	2,052	2.647^{p}	1,250^{n}	6.748	1,879	9.881^{k}	1,687
October	2.620^{i}	2,930	0.536x	3,498	0.990t	1,773	4.938	1,306
November	2.620^{f}	2,416	....	....	0.613z	1,776	1.655r	1,069
December	0.185u	2,499	....	....	....	....	....	....

* Observations taken at 7 a.m.;**, 8 a.m. Reference letters, ^{a}, ^{b}, ^{c}, indicate number of days missing, for example, ^{b}, represents two days missing, etc.

Climatological data for the year, 1916.

Stations.	Counties.	Temperature (degrees Fahrenheit). Elevation, feet	Length of record, yrs.	Annual mean	Highest	Date	Lowest	Date	Precipitation, in inches. Length of record, yrs.	Total for the year	Greatest monthly	Month	Least monthly	Month	Total snowfall	Number of days. Rainy	Clear	Partly cloudy	Cloudy	Prevailing wind direction
Columbia Basin.																				
Gold Creek	Elko	6,600	3	37.5	82	Aug 3	25	Jan. 12	3	12.23	3.48	Jan.	T	Sept	159.5	62				n
San Jacinto	do	5,200	11	43.2	97	July 12	30	Dec 27	11	7.90	1.51	Oct	0.10	June*	43.5	50	205	70	91	n
Humboldt Basin.																				
Arthur	Elko	6,500							6	15.40	4.52	Jan	0.00	June	128.9	50				
Austin	Lander	6,594	27	46.0	95	July 23	6	Jan. 29	27	11.99	3.39	Oct.	0.00	June	101.6	52				
Battle Mountain	do	4,513	45		107	July 12†			47											
Beowawe	Eureka	4,695	45	46.4	100	July 12	25	Jan. 20	47								246	35	85	se
Clover Valley	Elko	6,000	15		92	June 17†			23											
Elko	do	5,063	45	47.2	96	July 5†	-20	Jan. 30†	46	15.06	5.71	Jan.	0.00	June	72.2	11	178	50	138	w
Eureka	Eureka	6,837	18		95	July 23	10	Jan. 30†	20											n
Golconda	Humboldt	4,392	37	47.3	100	July 10	14	Jan. 20	39	4.71	2.16	Jan	0.00	Apr.*	40.0	24	199	70	97	w
Hylton	Elko	7,081							6	13.25	2.85	Oct.	0.00	June	65.5	40	270	55	11	
Imlay	Humboldt	4,209	3		98	July 24†	12	Jan. 21	3											
Lamoille	Elko	6,100	1		90	July 23†			1											
North Fork	do	6,500							7	9.68	3.10	Jan.	0.00	Apr.	96.7	38	159	76	131	w
Paradise Valley	Humboldt	4,500	3	43.7	98	June 16†	19	Jan. 30	7	8.58	2.95	Jan.	T	June	73.4	66	200	64	102	sw
Potts	Nye	6,002	23	42.9	95	July 21	-25	Jan. 31	25	6.77	2.96	Jan.	0.00	June	93.0	36	132	78	156	s
Tecoma	Elko	4,812	38	44.1	101	July 13†	-22	Jan. 31	40	7.20	2.12	Oct.	0.00	Apr.*	38.5	35	139	162	65	
Wells	do	5,631	44		96	July 12			47											
Winnemucca	Humboldt	4,344	39	47.0	100	July 12	15	Jan. 21	47	7.45	2.21	Jan.	0.00	June	33.1	61	216	61	89	sw
Truckee Basin.																				
Franktown	Washoe	5,054	1		93	July 1			1											
Marlette Lake	Douglas	7,900	1						3	35.94	14.46	Jan.	0.00	July*	376.0	61				sw
Reno	Washoe	4,532	29	49.0	98	July 22	17	Jan. 21	29	10.44	6.76	Jan.	T	May*	82.3	54	231	72	63	w
Carson Basin.																				
Fallon	Churchill	3,965	22	49.1	100	July 7†	22	Jan. 21	22	5.30	2.34	Jan.	0.00	May*	23.7	34	243	65	58	nw
Gardnerville	Douglas	4,830	25	46.8	90	July 11	-24	Jan. 21	26	9.41	6.10	Jan.	0.00	Apr.*	58.0	30				w
Lahontan	Churchill	4,200	4	52.2	100	July 12	-9	Jan. 30	6	6.76	3.43	Jan.	0.00	Apr.*	33.0	26	245	75	46	w
Walker Basin.																				
Mina	Mineral	4,350	9				14	Jan. 30	30											
Smith	Lyon	4,800							8	7.32	4.01	Jan.	0.00	July	47.0	23				sw
Yerington	do	4,375	7		98	June 16†	-22	Jan. 20	7											
Colorado Basin.																				
Caliente	Lincoln	4,407	6				-10	Jan. 12	6											
Indian Springs	Clark	3,136	3		105	July 22			3											
Las Vegas	do	2,033	14	63.4	109	July 23	13	Jan. 1	14	8.11	4.67	Jan.	0.00	Apr.*	T.	24				
Logan	do	1,355	9	64.4	113	July 22	13	Dec. 9	17	5.53	1.57	Jan.	0.00	Mar.*	0.0	19	206	1.1	59	
Pioche	Lincoln	6,100	18		94	July 23	2	Jan. 12	18											
Minor Basins.																				
Belmont	Nye	8,540	16		89	July 12†			16											ne.
Cherry Creek	White Pine	6,450	8	45.5	100	July 6	-16	Jan. 30	8	12.65	3.55	Jan.	0.14	June	133.7	77	206	76	84	w.
Duck Flat	Washoe	4,725							2	8.27	3.67	Jan.	0.00	June	43.5	38	254	72	40	sw.
Francis (near)	do	5,200							2	8.94	4.66	Jan.	0.00	July	72.2	56	273	45	48	sw.
Gerlach	do	3,931	4	48.6	100	July 12	-19	Jan. 20	4											sw.
Goldfield **	Esmeralda	5,700	9	50.1	99	July 23	-4	Dec. 26	11	8.03	2.60	Jan.	0.00	June	23.5	45	210	87	69	se.
Jungo	Humboldt	4,165							3	4.31	1.29	Oct.	0.00	June	19.1	23	184	85	97	sw.
Lida	Esmeralda	6,037	4		95	July 10†	-8	Jan. 12	4											se.
McDermitt	Humboldt	4,700	5	45.8	94	June 16†	7	Dec. 30	29	10.38	2.61	Jan.	T.	Aug.	55.0	45	235	62	69	sw.
McGill	White Pine	6,338	6	47.8	95	July 12†	-14	Dec. 28	6	12.36	4.61	Jan.	0.08	Sept.	93.4	40	196	97	73	n.
Millett	Nye	5,040	8	45.0	95	July 23	-31	Jan. 31	9	5.99	2.20	Jan.	0.00	June*	32.5	24	216	50	100	
Oasis Ranch	Esmeralda	5,106	4	49.0	104	July 11	-17	Jan. 21	4	4.20	2.04	Jan.	0.00	May*	49.0	19				
Pahrump	Nye	2,608	3		112	Aug. 1			3											
Quinn River Ranch	Humboldt	4,850	14		100	June 16			15	8.16	2.90	Jan.	0.00	June*	23.0	43				sw.
Rebel Creek	do	4,300	4	48.3	98	July 12	-2	Dec. 27†	5	8.49	2.37	Oct.	0.06	Aug.	38.7	67				sw.
Rhyolite	Nye	3,680	3	56.6	104	July 23	10	Dec. 27	3	6.41	3.71	Jan.	0.00	Apr.*	6.0	29	222	98	46	s.
Sand Pass	Washoe	4,198	3	50.2	99	July 11	-15	Jan. 21†	3	7.22	3.66	Jan.	0.00	Aug.	44.0	43	229	52	85	nw.
Searchlight	Clark	3,445	3	62.2	105	July 22	15	Dec. 26†	3	6.79	3.73	Jan.	0.00	Apr.*	7.5	31	225	64	77	s.
Sharp	Nye	6,200	3		95	July 23	-9	Dec. 27	3											w.
Sulphur	Humboldt	4,044	3	48.0	101	July 12	0	Jan. 1†	3	6.46	1.69	Jan.	T.	Apr.*	27.5	27				w.
Tonopah	Nye	6,090	11	48.9	92	July 23	4	Jan. 12	11	6.59	2.02	Jan.	0.00	June	35.1	40	219	89	58	se.
Vya	Washoe	5,500							3	14.09	5.41	Jan.	0.00	Sept.	82.1	54	217	101	48	sw.
For the State				48.4	113	July 22	-31	Jan. 31		9.76	14.46	Jan.	0.00	Mar.*	67.2	41	220	71	75	sw.

†Also on other dates. *Also in other months. ** Name changed from Columbia to Goldfield in September, 1916.

Monthly and annual precipitation for the year, 1916, with departures from the normal.

Stations	January.		February		March.		April.		May.		June.		July.		August.		Sept'mb'r		October.		Nov'mb'r		Decemb'r		Annual.	
	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.
Columbia Basin.																										
Gold Creek (near)	3.48		3.12		0.82		0.33		1.02		0.05		0.24		0.17		T.		0.41		0.33		2.26		12.23	
Jack Creek	6.83		2.10		2.70		0.60		1.84		0.10		0.40		0.82		0.39		3.48		2.05					
Mahoney Ranger Station																					1.00		2.36			
Owyhee	1.48		2.09												0.46		0.02									
San Jacinto	0.61	−0.01	0.94	+0.40	0.82	−0.09	0.26	−0.33	1.00	−0.39	0.10	−1.59	0.85	+0.36	0.28	−0.61	0.10	−0.57	1.54	+0.85	0.20	−0.45	1.20	+0.59	7.90	−1.84
Humboldt Basin.																										
Arthur	4.52	+3.23	3.15	+1.86	1.31	+0.37	0.13	−1.61	0.37	−0.94	0.00	−0.95	0.25	−0.54	T.	−0.44	0.42	−0.30	2.72	+1.50	0.34	−0.95	2.19	+0.98	15.40	+2.21
Austin	2.63	+1.46	0.96	−0.38	1.48	−0.02	0.72	−0.75	0.22	−1.32	0.00	−0.72	0.01	−0.44	T.	−0.63	1.28	+0.80	3.39	+2.73	0.80	+0.16	0.50	−0.69	11.99	+0.20
Battle Mountain	1.40	+0.53	0.72	0.03	0.52	0.16	T.	−0.81	T.	−0.80	0.00	−0.51	0.09	−0.18	0.00	−0.14										
Beowawe	1.91	+1.14	0.73	−0.02	0.52	0.13	0.27	−0.26	0.32	0.31	0.00	−0.42	0.07	−0.18	0.00	−0.19	0.12	−0.12			0.00	−0.61	0.56	−0.27		
Carlin	3.32	+2.31	0.30	−0.56	0.30	−0.56	0.01	−0.54																		
Clover Valley	2.44	+0.29	2.72	+0.55	1.08	−0.46	0.53	−0.49	0.85	−0.58	0.06	−0.70	0.32	−0.12	0.14	−0.46	0.05	−0.49	1.29	+0.49	0.83	−0.94				
Dry Farm	1.45																									
Elko	5.71	+4.04	1.83	+0.62	2.20	+0.72	T.	−0.75	0.50	−0.48	0.00	−0.90	0.30	−0.28	0.25	−0.25	0.20	−0.24	1.98	+1.13	0.59	−0.33	1.50	+0.62	15.06	+3.90
Eureka	3.18	+1.63	0.41	−0.69	1.88	−0.27	2.48	+1.31	2.09	+0.61	0.18	−0.76	0.37	−0.51			0.53	−0.15	3.99	+3.15	0.48	−0.25	0.41	−0.56		
Golconda	2.16	+1.43	0.56	−0.01	0.17	−0.40	0.00	−0.60	0.10	−0.66	0.00	−0.56	0.00	−0.20	0.01	−0.08	0.38	+0.08	0.78	+0.31	0.01	−0.38	0.54	−0.29	4.71	−1.36
Halleck	1.92	+0.89																								
Hylton	1.93		1.12		2.09		0.97		1.49		0.00		0.02		0.07		0.23		2.85		1.16		1.32		13.25	
Imlay §	1.62	+0.96	0.93	+0.38	T	−0.55	0.00	−0.37			0.00	−0.22	T.	−0.16	0.09	−0.14	1.00	+0.78	1.61	+1.25	0.15	−0.18	0.18	−0.51		
Lamoille													0.55	+0.03	0.18	−0.36	0.19	−0.18	5.21	+3.92	0.87	−0.40	1.55	+0.38		
Lovelock																							0.05	−0.19		
Metropolis	2.22	+0.82	1.70	+0.68	0.55	−0.60	0.28	−0.31	1.05	+0.09			0.30	+0.05	T.	−0.22	0.35	+0.16	1.07	+0.44	0.23	−0.52	0.40	−0.74		
North Fork	3.10		0.99		0.88		0.00		0.75		0.05		0.22		0.23		0.24		1.75		0.37		1.10		9.68	
Paradise Valley	2.95		1.31		0.83		0.12		0.47		T.		0.12		0.03		0.07		1.09		0.58		1.01		8.58	
Potts	2.96	+2.43	0.12	−0.54	1.06	+0.23	0.95	+0.24	0.09	−1.02	0.00	−0.40	T.	−0.65	0.05	−0.52	0.13	−0.17	0.99	+0.66	0.12	−0.27	0.30	−0.16	6.77	−0.17
Tecoma	1.52	+0.90	0.38	−0.17	0.35	−0.05	0.00	−0.59	1.08	+0.42	0.00	−0.60	1.23	+1.04	0.10	−0.13	0.00	−0.38	2.12	+1.68	0.04	−0.32	0.38	−0.17	7.20	+1.63
Wells	2.81	+1.41	1.09	+0.07	0.70	−0.45	0.01	−0.58	0.17	−0.79	0.10	−0.41	0.20	−0.05	0.10	−0.12	0.10	−0.09								
Winnemucca	2.21	+1.17	1.44	+0.48	0.62	−0.33	0.19	−0.69	0.49	−0.54	0.00	−0.64	0.01	−0.16	0.11	−0.06	0.26	−0.08	1.42	+0.90	0.44	−0.30	0.26	−0.73	7.45	−0.98
Truckee Basin.																										
Fernley	2.63	+1.83																								
Franktown			1.30	−2.35	0.38	−3.54	0.36	−1.03	T	−1.60	T.	−0.44	0.00	−0.23	T.	−0.36	0.42	−0.25								
Glenbrook	12.98		2.81		1.20																					
Marlette Lake	14.46		3.20		1.96		0.12		0.55		0.30		0.00		0.00		1.22		3.86		2.21		8.06		35.94	
Reno	6.76	+4.81	0.59	−1.26	0.33	−0.89	0.11	−0.50	T.	−0.79	0.11	−0.13	T.	−0.14	0.04	−0.21	0.35	+0.08	1.13	+0.72	0.05	−1.04	0.97	−0.70	10.44	−0.05
Carson Basin.																										
Fallon	2.34	+1.72	0.34	−0.16	0.23	−0.25	0.16	−0.19	0.00	−0.70	0.00	−0.28	0.00	−0.18	0.09	−0.03	0.75	+0.56	1.12	+0.71	0.00	−0.28	0.27	−0.31	5.30	+0.61
Gardnerville	6.10	+3.45	0.39	−1.15	0.03	−1.38	0.00	−0.61	T.	−0.67	0.00	−0.26	0.00	−0.33	0.05	−0.15	0.52	+0.29	1.38	+0.92	0.35	−1.22	0.59	−1.46	9.41	−2.57
Lahontan	3.43		0.39		0.32		0.00		T.		T.		0.00		T.		0.58		1.88		T.		0.16		6.76	
Walker Basin.																										
Mina §	2.33	+1.83	0.01	−0.27	T.	−0.23	0.10	−0.22			0.00	−0.22					1.00	+0.69	1.03	+0.75	0.00	−0.17	0.10	−0.32		
Smith	4.01		0.75		T.		0.13		T.		0.02		0.00		0.12		0.38		0.96		0.60		0.35		7.32	
Thorne §	0.98	+0.42	1.08	+0.71													0.57	+0.36	0.56	+0.33						
Yerington §	3.67	+3.08	0.19	−0.28	0.30	−0.15	0.00	−0.22	T.	−0.42	0.01	−0.36	T.	−0.14	T.	−0.20					T.	−0.38	0.30	−0.18		
Colorado Basin.																										
Caliente	3.18	+2.17	1.85	+0.61	2.00	+0.59	1.00	+0.03																		
Indian Springs													0.33		0.19				0.67		0.00					
Las Vegas	4.67	+4.18	0.25	−0.29	T	−0.21	0.00	−0.32	0.05	−0.01	0.00	−0.14	0.73	+0.36	0.53	−0.04	0.55	+0.22	0.95	+0.70	0.00	−0.33	0.38	+0.03	8.11	+4.15
Logan §	1.57	+0.67	0.72	+0.08	0.00	−0.72	0.10	−0.06	0.18	+0.08	0.00	−0.10	1.06	+0.78	1.04	+0.60	0.10	−0.35	0.55	−0.13	0.00	−0.48	0.21	−0.25	5.53	+0.12
Mount Charleston													1.22		0.07		0.50									
Pioche	6.74	+5.69	1.06	0.32	1.96	+0.48	0.42	−0.57	0.64	−0.18	0.05	−0.32	1.09	+0.51	1.92	+0.46	0.04	−0.59	2.35	+1.87						
Minor Basins.																										
Belmont			T.	−1.10	1.55	+0.63	0.61	0.07	0.32	−0.52	0.00	−0.38	0.00	−0.49	0.25	−0.69	0.13	−0.40	3.83	+3.38	0.10	−0.21				
Cherry Creek	3.55		0.57		1.89		1.07		0.89		0.14		0.18		0.30		0.21		2.51		0.42		0.92		12.65	
Columbia	2.60		0.45		0.70		0.58		0.72		0.00		0.15		0.94											
Duck Flat	3.67		0.46		0.69		0.32		0.68		0.00		0.16		0.18		T.		1.19		0.40		0.52		8.27	
Francis	4.66		0.85		0.34		0.23		0.21		0.18		0.00		0.15		0.73		0.82		0.08		0.69		8.94	
Gerlach			0.14		0.09		0.10		0.25		0.00		0.00		0.00		0.00		0.76		0.00		0.21			
Goldfield																	0.25		1.10		0.22		0.32			
Jungo	1.01		0.77		0.14		0.04		0.10		0.00		T.		T.		0.40		1.29		T.		0.56		4.31	
Lida §	4.01	+3.26	0.78	+0.11	0.58	+0.21	0.38	−0.09	0.67	+0.04	0.00	−0.29	0.68	+0.22					2.61	+2.30	0.00	−0.36				
McDermitt	2.61	+0.88	1.38	+0.03	0.16	−1.07	0.68	−0.84	1.21	−0.41	0.16	−0.66	0.29	−0.01	T.	−0.15	0.01	−0.33	1.37	+0.47	0.45	−0.44	2.06	+0.74	10.38	−1.79
McGill §	4.61	+3.58	0.69	−0.34	1.13	−0.19	0.19	−0.95	0.64	−0.65	0.29	−0.13	0.18	−0.44	0.34	−0.74	0.08	−0.57	2.14	+1.42	0.40	−0.38	1.67	+0.56	12.36	+1.17
Millett	2.20		0.15		0.43		0.30		0.28		0.00		T.		0.00		0.45		2.04		0.06		0.08		5.99	
Oasis Ranch §	2.01	+1.29	0.05	−0.62	T.	−0.37	0.04	−0.43	0.00	−0.63	0.00	−0.29	1.02	+0.56	0.01	−0.55	0.06	−0.31	0.50	+0.19	0.00	−0.36	0.48	−0.05	4.20	−1.57
Pahrump													0.64		0.42		0.00				0.00		0.58			
Quinn River Ranch	2.90	+1.71	0.59	−0.05	0.55	−0.30	0.45	+0.09	0.95	+0.48	0.00	−0.53	0.95	+0.77	0.00	−0.18	T.	−0.34	0.99	+0.50	0.20	−0.36	0.58	−0.27	8.16	+1.52
Rebel Creek	1.15		1.06		0.71		0.68		0.95		0.14		0.28		0.06		0.08		2.37		0.46		0.55		8.49	
Rhyolite	3.71		0.61		0.28		0.00		0.45		0.00		0.15		0.20		0.30		0.58		0.00		0.13		6.41	
Sand Pass	3.66		0.46		0.29		0.40		0.54		T.		T.		0.00		0.14		0.83		0.14		0.76		7.22	
Searchlight	3.73		0.71		0.48		0.00		0.16		0.00		0.66		0.22		0.23		0.13		0.00		0.47		6.79	
Sharp	6.30		0.20		0.92		0.20		0.33				0.50		1.50		0.00		1.42		0.10		1.31			
Sulphur	1.69		0.44		0.06		T.		1.00		T.		0.09		0.50		1.08		1.44		T.		0.16		6.46	
Tonopah	2.02		0.28		0.57		0.66		0.26		0.00		0.13		0.54		0.17		1.35		0.09		0.52		6.59	
Vya	5.41		1.51		0.20		0.41		1.60		0.48		0.41		0.80		0.00		1.60		0.95		0.72		14.09	

The departures from normal precipitation are computed only for such stations as have ten or more years of record. § Normals based on data from nearby stations with long records. T. Precipitation is less than 0.01 inch rain or melted snow.

Monthy and annual mean temperatures for the year, 1916, with departures from the normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Annual.	
	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.
Columbia Basin.																										
Gold Creek (near) Mahoney Ranger Station.	14.4		27.1		31.2		40.0		41.0		48.1		56.1		[illegible]		[illegible]		40.3		[illegible]		17.1		[illegible]	
Owyhee	18.6[i]		27.2										68.6[i]		[illegible]		56.8[d]				32.2[i]		21.6			
San Jacinto	20.2	6.1	33.0	+4.2	40.0	3.8	43.8	0.5	46.6[f]	2.2	56.2	−0.8	66.2	+0.8	60.9	1.5	55.0	−0.8	[illegible]	1.1	30.0	3.5	21.0	1.1	[illegible]	0.4
Humboldt Basin.																										
Austin	21.8	−7.0	35.6	6.1	40.4	+5.1	45.9	+2.1	47.6[g]	3.0	60.3	−0.1	69.6[g]	+0.8	66.7	1.4	59.3	+0.2	43.0	5.6	34.6	4.4	27.3	3.3	46.0	0.9
Battle Mountain	28.4	0.4	41.9	+9.5	49.8	8.4	57.3	+7.7			61.7	−1.2	76.6	+1.7	70.9	2.5										
Beowawe	21.0	6.2	37.0	+5.9	42.4	+1.6	50.6	+1.7	50.4	7.1	60.8	−6.4	68.0	7.5	63.9	−10.0	58.2	3.6	46.4	3.1	32.8	3.7	25.2	4.3	46.4	[illegible]
Carlin	19.3	4.0	28.8[g]	+2.0	40.6	+4.6																				
Clover Valley	21.8	3.3	32.1	+3.1	39.4	+2.9	47.0	+2.3	48.4	2.8	57.4	1.7	66.6	+0.1	64.2	1.3	58.0	0.4	44.2	2.9	33.9	2.9				
Dry Farm	23.8																									
Elko	20.0	3.0	30.7	+2.0	39.8	+2.9	45.4	+0.7	47.4	6.4	59.4	3.3	67.2	3.0	64.1	1.4	57.1	+0.2	43.0	2.0	29.9	1.5	22.4	1.7	47.2	1.9
Eureka	22.0	5.6	35.2	+5.5	42.2	+5.2	47.3	+2.1	48.4	2.7	59.8	−1.0	69.0	1.7			61.2	0.1	44.4	4.7	34.5	4.8	25.6	[illegible]		
Golconda	22.5	7.0	37.2	+3.5	45.8	+5.3	50.6	+2.6	51.0	5.4	62.6	3.0	69.2	5.3	66.8	1.4	59.0	0.7	44.8	1.7	32.4	7.0	25.2	5.7	47.3	[illegible]
Imlay §	24.8	−5.5	39.8	+5.3	44.2	+4.0	47.4	1.7			59.8	−7.1	67.6	8.2	66.3	6.6	60.6	0.6	44.8	5.8	35.1	4.8	21.6	7.7		
Lamoille													66.2		66.0		59.0		43.0[i]		31.8		25.0[i]			
Lovelock																							27.9	3.2		
Metropolis																					30.0[i]		21.4			
Paradise Valley	18.4		33.6		41.4		46.6		47.1		56.8		65.3		63.3		56.8		42.6		31.0		21.4[i]		43.7	
Potts	19.2	5.3	29.6	+2.5	38.8	+5.5	43.8	+0.3	47.3	−3.7	56.3	−5.5	65.0	1.6	63.2	4.6	55.3	0.1	41.0	3.2	33.2	0.8	22.6	1.7	42.9	1.8
Tecoma	14.5	−8.4	30.5	+3.8	40.8	+3.6	48.4	+1.6	51.2	−2.8	59.9	2.9	70.1	2.2	66.4	4.4	57.8	1.4	42.8	3.2	25.8	8.4	21.4	3.8	44.1	2.4
Wells	17.0	6.1	28.8	+2.8	37.6	+2.2	43.1	1.9	44.4	−8.0	57.3	6.9	66.3	4.2	60.1	8.2	54.4[i]	3.2								
Winnemucca	22.1	6.7	37.4	+4.0	44.2	+4.6	49.0	+1.9	50.3	−4.1	61.6	1.7	69.3	2.3	66.1	4.4	59.1	1.4	41.9	3.7	33.0	4.5	26.6	4.1	47.0	1.9
Truckee Basin.																										
Franktown			39.5	+3.9	45.3	+5.1	47.6	+0.8	50.4	2.6	58.8	1.2	63.4	1.6	63.5	4.4	58.2	−2.1								
Glenbrook	25.6		33.4		39.8																					
Marlette Lake																	52.1[i]		36.2		30.5		19.4			
Reno	22.8	9.7	41.0	+5.3	46.9	+5.9	50.1	+2.8	52.0	1.6	61.8	+0.8	68.4	+0.9	67.2	+0.2	61.7	+2.0	46.9	2.8	37.6	3.4	31.2	2.5	49.0	0.2
Carson Basin.																										
Fallon	25.3	−5.5	36.1	0.0	48.2	+6.9	51.6	+1.6	53.8	1.8	63.6	1.0	70.4	3.1	68.6	3.4	61.2	+0.3	46.2	4.5	34.3	5.4	29.6	2.1	49.1	[illegible]
Gardnerville	22.9[c]	−8.1	39.0[f]	−3.0	44.6[h]	+2.6	48.1[g]	0.5	51.0[m]	2.5	57.6[i]	3.7	63.8[i]	3.8	61.8[i]	−5.8	58.2[k]	2.5	44.4[i]	6.3	37.7[i]	5.1	32.2[k]	0.0	46.8	2.7
Lahontan §	26.4		38.2		49.0		54.1		57.1		66.8		74.7		73.7		66.0		49.4		38.7		32.5		52.2	
Walker Basin.																										
Mina §	26.4	−7.5	36.6	−2.5	47.6	+3.3	53.4	+2.0			66.6	3.0					64.7	1.4	49.4	3.6	37.2	−6.5	29.2	5.6		
Thorne §			40.8	+2.7													68.4	+2.8	52.5	−1.2						
Yerington	21.4	−11.3	35.6	1.2	45.9	+3.5	49.8	+0.4	52.4	−2.9	63.6	0.7	69.8	1.7	71.7	+1.6					34.2	−4.8	29.0	−2.7		
Colorado Basin.																										
Caliente	27.2	0.1	47.8	+14.3	51.0	+11.4																				
Indian Springs													81.3		77.6		72.1[i]		54.7		44.2					
Las Vegas	42.0	+0.2	51.2	+6.0	60.4	+9.0	65.0	+5.2	68.7	+1.8	78.6	+2.9	84.0	+2.3	80.3	−0.3	76.2	+4.0	60.9	+0.3	51.5	+2.0	42.3	+1.3	63.4	+2.9
Logan §	44.0	+1.3	54.2	+5.4	60.8	+5.8	66.2	+2.3	72.4	+1.0	79.6	−1.6	86.7	−0.4	82.2	−3.9	76.8	−0.2	60.6	−4.9	49.2	−3.8	40.2	−2.9	64.4	−0.2
Pioche	27.6	−0.5	37.5	+4.3	43.2	+3.6	49.9	+2.2	55.1	+0.2	66.0	+1.0	70.5	2.1	68.2	−3.4	61.9	−0.8	44.6	−5.5						
Minor Basins.																										
Belmont			33.2	+6.5	39.0	+5.7	44.6	+3.8	43.8	−6.4	56.5	4.5	66.4	−1.6	63.5	−2.5	57.6	+0.6	41.0	6.1	35.0	−2.7				
Cherry Creek	21.4		32.8		40.8		47.0		49.0		61.0		69.4		66.7		58.6		42.6		32.6		23.7		45.5	
Columbia	25.3		36.9		46.8		51.6		54.4		65.8		73.2		70.2											
Gerlach	22.8		40.5		46.0		53.8[g]		51.9		63.1		69.2		68.8		61.4		46.2		31.0		27.9		48.6	
Goldfield																	63.8		47.0		37.6		28.6			
Lida §	24.2	−5.5	36.4	+3.8	45.4	+8.8	50.0	−6.3	52.4	+1.8	63.2	+4.0	71.4[g]	+4.9					48.4	+1.8	38.0[i]	−0.1				
McDermitt	21.0	6.1	35.6	+4.9	41.6	+3.5	47.0	+1.6	48.0	−5.6	57.7	7.3	67.0	6.7	66.5	−5.8	59.5	−1.5	45.9	2.9	33.8	3.7	25.5	6.3	45.8	3.0
McGill §	22.6	−3.0	33.7	+5.2	43.2	+9.2	48.4	+5.4	52.1	+1.1	62.6	3.4	71.4	+3.2	69.4	+4.5	61.9	−6.4	45.7	+1.3	36.0	+0.5	26.3	1.1	47.8	+2.4
Millett	20.9		26.1		43.6		48.6		50.2		59.8		66.8		64.1		57.5		43.6		33.0		25.8		45.0	
Oasis Ranch §	24.2	−6.0	27.6	7.3	47.2	+6.5	53.4	+4.4	55.6	−0.4	65.7	+3.6	73.1	+4.7	69.4	+2.1	62.0	+2.7	46.8	−2.0	35.7	1.9	27.1	−0.2	49.0	0.6
Pahrump													82.7[e]		79.7		69.0				45.0		38.1			
Quinn River Ranch					43.1[d]	+2.8	49.2	+3.1	51.0	−2.6	61.6[e]	+0.5	67.6	1.2	66.5[d]	−0.6	59.2	+2.2	44.1	−3.1	31.2	7.1	25.7[k]	3.2		
Rebel Creek	24.4		38.6		46.7[d]		49.7		50.8		60.3		68.7		67.5		61.4		47.1		36.6		27.8		48.3	
Rhyolite	36.4		47.9		55.9		62.0		62.0		68.8		75.8		70.4		64.4		53.0		45.6		37.4		56.6	
Sand Pass	23.8		40.0		47.3		52.4		53.0		64.0		71.7		71.4		65.0		48.8		35.6		29.6		50.2	
Searchlight	39.2		51.4		58.0		62.8		67.2		78.8		83.2		79.2		75.2		59.5		51.1		40.8		62.2	
Sharp	23.4		32.8		43.6		49.2		52.6				70.4		66.8		61.8		43.8		36.2		26.2			
Sulphur	23.6		34.0[e]		47.0[d]		50.6		52.9		61.9		69.8		68.4		64.8[h]		45.2		31.8		26.6		48.0	
Tonopah	23.6		36.4		45.1		49.9		51.8		64.6		72.2		68.5		63.4		46.0		37.2		28.2		48.9	

The departures from normal temperature are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normal based on data from nearby stations with long records.

Reference letters a, b, c, appearing in the table indicate number of days missing: for example, b represents two days missing, etc.

Monthly maximum temperatures for the year, 1916, with dates.

Stations	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.
Columbia Basin.																								
Gold Creek (near)	36	†3	49	14	55	†12	79	25	73	†2	77	15	80	†13	82	3	79	†2	72	†16	66	2	40	1
Mahoney Ranger Station																					73[k]	5	51	†1
Owyhee	[i]45	7	49	20									89[i]	15	90	1	89	†2						
San Jacinto	47	27	50	†10	66	17	76	†25	80[t]	6	92	17	97	12	95	1	90	1	76	16	69	3	59	13
Humboldt Basin.																								
Austin	45	7	58	13	69	16	75	26	79[g]	4	89	†15	95[i]	23	92	†1	87	1	68	†16	74	2	52	5
Battle Mountain	55	3	70	†22	89	18	90	†25			102	†15	107	†12	107	†1								
Beowawe	47	2	56	†18	75	18	82	26	85	3	96	16	100	12	96	†4	94	1	82	1	73	3	60	1
Carlin	46	10	45[g]	17	68	17																		
Clover Valley	47	5	52	†10	69	19	78	26	79	†4	92	17	91	†23	92	1	87	1	79	1	73	1		
Dry Farm	45	9																						
Elko	46	3	50	10	66	16	73	†25	78	4	93	†16	96	†5	95	†1	90	†1	72	1	67	4	55	†1
Eureka	40	†3	55	25	72	12	78	†25	80	4	90	16	95	23			94	1	72	†17	72	1	52	1
Golconda	48	†3	60	11	78	16	80	24	82	†4	95	†16	100	10	94	1	87	17	72	1	64	†2	55	3
Imlay	51	5	61	18	76	11	76	26			97	17	98	24	98	2	89	†1	71	†16	70	4	56	5
Lamoille													90	23	90	†1	87	1	67[i]	17	68	2	72[h]	4
Lovelock																							64	2
Metropolis																					66[d]	4	56	2
Paradise Valley	48	4	57	14	71	16	79	26	82	3	98	16	98	12	98	23	91	1	73	†16	68	2	48[n]	†1
Potts	47	17	47	6	64	†17	75	†26	80	4	93	15	95	21	93	†13	83	2	80	1	65	3	51	5
Tecoma	40	5	50	†16	78	19	82	27	86	†5	97	18	101	13	101	2	90	†1	75	17	70	4	47	5
Wells	42	3	45	†7	68	17	77	26	79	6	92	17	96	12	95	1	90[f]	2						
Winnemucca	51	3	57	20	75	11	80	26	84	3	98	16	100	12	96	2	92	1	74	16	74	2	57	5
Truckee Basin.																								
Fernley	47	3																						
Franktown			57	†10	74	†9	75	10	78	3	92	16	93	11	91	†24	87	†14						
Glenbrook	44	7	47	19	60	16																		
Marlette Lake																	76[i]	28	60	†20	54	2	40	16
Reno	48	22	61	16	79	9	75	25	82	3	96	16	98	22	94	1	89	14	76	21	76	2	56	19
Carson Basin.																								
Fallon	52	3	58	10	79	†12	81	26	86	3	98	16	100	†7	98	2	94	1	76	17	75	2	63	†3
Gardnerville	[e]49	21	59[f]	9	74[h]	†9	72[g]	†11	78[m]	3	88[j]	16	90[j]	11	87[i]	†1	82[k]	†14	71[f]	17	77[f]	2	59[k]	4
Lahontan	52	23	60	†10	80	†16	82	24	89	4	99	15	100	12	99	2	93	1	72	†16	75	2	61	4
Walker Basin.																								
Mina	47	7	60	†20	80	9	81	10			98	16					96	1	75	27	74	2	58	†19
Thorne			60	20													90	10	78	†1				
Yerington	48	†3	58	19	76	12	78	†23	84	†3	98	16	98	12	95	2					74	2	62	3
Colorado Basin.																								
Caliente	50	†22	70	†18	72	†16																		
Indian Springs													105	22	101	7	98[i]	1	80	†16	75	2		
Las Vegas	66	4	79	15	89	†9	96	27	97	4	107	16	109	23	103	†3	104	1	88	18	82	2	68	5
Logan	64	3	80	†15	92	9	99	27	101	8	112	16	113	22	107	23	106	1	86[e]	18	81	3	67	5
Pioche	44	†9	58	19	71	9	80	27	78	†5	93	16	94	23	90	†1	88	3	68	†21				
Minor Basins.																								
Belmont			60	14	67	10	70	†25	67	†5	85	†16	89	†12	87	3	82	3	68	17	67	1		
Cherry Creek	45	8	52	10	69	17	83	28	85	8	92	†17	100	6	95	2	86	1	70	17	71	2	51	1
Columbia	41	9	62	16	78	12	80	†26	83	†3	94	15	99	23	95	2								
Gerlach	49	8	75	16	83	12	83[g]	24	85	4	99	15	100	12	98	24	91	1	76	17	69	2	56	3
Goldfield																	88	†1	74	17	70	†1	53	19
Lida	44	17	58	14	77	8	76	†26	78	†4	90	†15	95[g]	†10					79	1	69[i]	1		
McDermitt	55	24	60	14	70	†11	75	†11	80	†3	94	16	94	12	93	11	88	†1	74	16	70	2	54	1
McGill	46	3	55	19	71	17	76	†24	81	4	92	16	95	†12	93	1	87	1	69	†16	72	2	52	†1
Millett	47	8	51	26	74	†12	78	26	82	4	90	15	95	23	92	†1	89	13	74	17	73	2	58	4
Oasis Ranch	50	3	52	27	77	11	87	25	87	3	96	†15	104	11	98	†4	98	1	77	30	71	1	58	19
Pahrump													109[e]	22	112	1	100	1			82	4	70	5
Quinn River Ranch	47	23	64	20	80[d]	17	78	25	86	4	100[e]	16	98	11	98[d]	†23	95	21	79	16	69	2	56[k]	1
Rebel Creek	43	23	62	†20	75[d]	†12	78	26	82	3	95	17	98	12	93	2	90	21	75	†15	72	3	58	4
Rhyolite	51	†3	71	15	83	9	86	28	92	6	97	18	104	23	97	†1	88	1	78	19	72	1	63	18
Sand Pass	50	23	60	†10	76	15	80	24	86	3	95	15	99	11	96	†2	91	15	75	17	68	2	54	19
Searchlight	56	4	69	†17	82	16	87	†27	91	8	103	16	105	22	97	†6	98	1	81	18	81	2	63	4
Sharp	44	8	55	†11	71	12	79	27	81	4			95	23	90	1	87	15	70	17	70	3	51	19
Sulphur	48	23	59[e]	23	73[d]	†11	79	26	84	3	98	15	101	12	96	†2	92[m]	†1	73	17	68	2	55	4
Tonopah	39	3	54	16	69	9	73	27	77	4	87	16	92	23	90	1	82	1	69	17	66	2	48	1

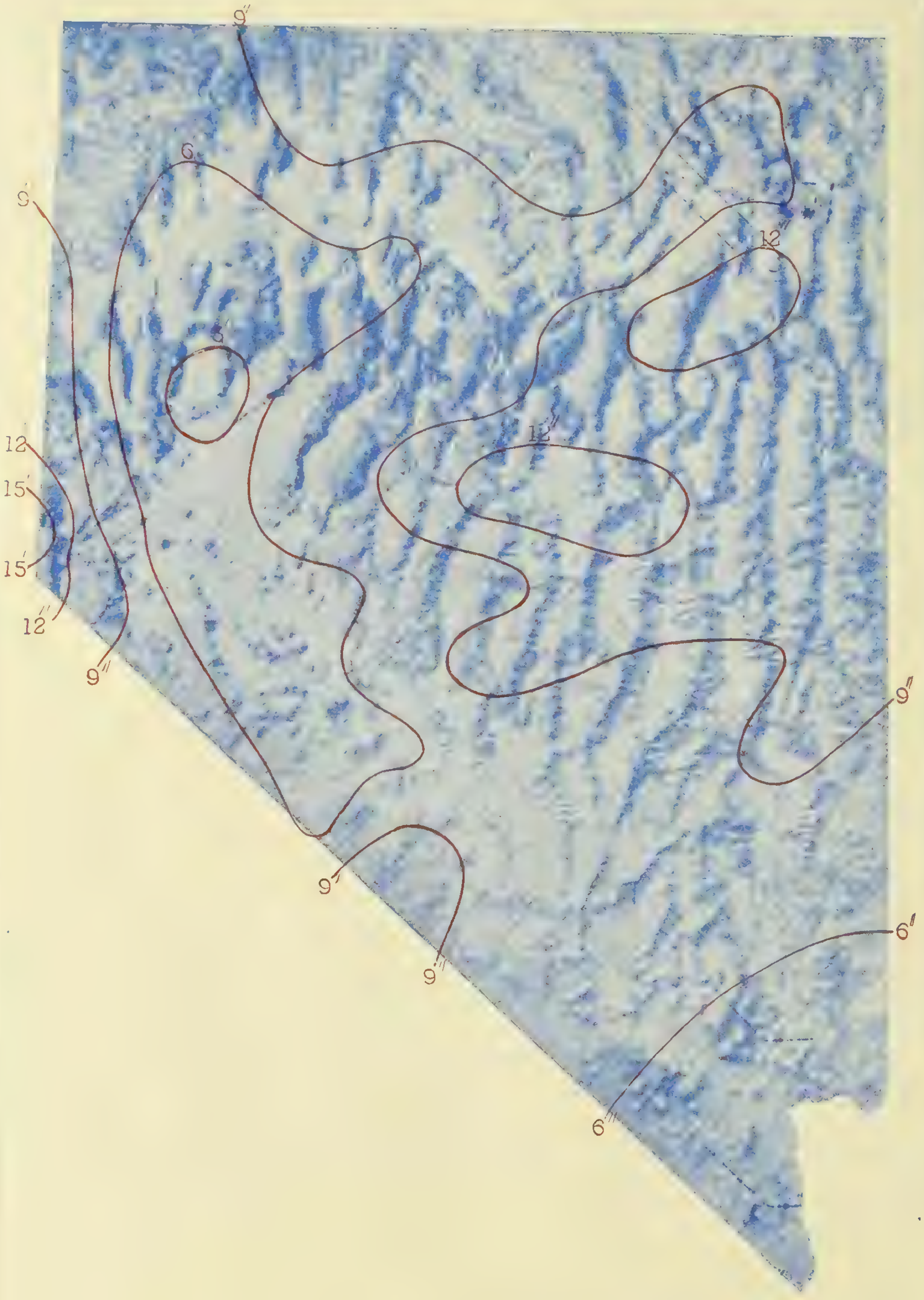
† Also on other dates.

Monthly minimum temperatures for the year, 1916, with dates.

Stations.	January. Minimum.	Date.	February. Minimum.	Date.	March. Minimum.	Date.	April. Minimum.	Date.	May. Minimum.	Date.	June. Minimum.	Date.	July. Minimum.	Date.	August. Minimum.	Date.	September. Minimum.	Date.	October. Minimum.	Date.	November. Minimum.	Date.	December. Minimum.	Date.
Columbia Basin.																								
Gold Creek (near)	25	12	6	28	2	6	13	5	11	+10	20	21	30	+1	25	21	21	11	13	23	−9	7	17	20
Mahoney Ranger Station																					0	11	[illegible]	[illegible]
Owyhee	−30	18	0	13									25[i]	[illegible]	28[d]	[illegible]	25[h]	+11						
San Jacinto	13	20	11	28	11	1	14	7	15[f]	12	23	22	35	+3	21	19	16	11	13	29	13	13	−30	[illegible]
Humboldt Basin.																								
Austin	6	29	10	27	11	23	21	+11	19[g]	13	30	22	39[e]	3	33	18	30	10	21	+4	2	13	5	26
Battle Mountain	24	21	5	1	21	13	22	19	22	+11	28	21	41	1	35	18								
Beowawe	25	20	2	28	18	1	18	7	19	13	25	22	32	3	30	+18	20	+7	17	23	−6	14	16	27
Carlin	19	30	8	+21	8	2																		
Clover Valley	6	+12	1	1	16	+3	20	+7	16	10	25	+21	31	3	31	+19	21	11	18	24	8	13		
Dry Farm	3	+16																						
Elko	−20	30	4	28	7	2	19	+7	18	10	26	22	30	3	30	+19	20	11	8	19	−7	13	20	27
Eureka	−10	30	3	1	12	24	18	13	17	+10	26	21	34	3			25	11	15	23	−7	13	10	26
Golconda	14	20	8	27	22	23	24	11	20	9	30	21	38	2	31	17	27	10	19	22	5	12	10	26
Imlay	12	21	1	1	20	31	23	8			32	21	39	6	33	19	23	11	12	24	1	13	9	+12
Lamoille													37	3	33	19	30	28	19	5	−2	+13	−5	+28
Lovelock																							1	31
Metropolis																					1[i]	11	−15	30
Paradise Valley	19	30	9	1	6	2	19	13	16	10	19	21	32	3	23	18	23	11	12	23	10	13	−17	30
Potts	−25	31	15	1	6	2	18	30	15	10	23	22	31	29	31	19	16	11	13	24	5	13	17	26
Tecoma	−22	31	−2	28	0	24	15	20	15	10	21	22	31	3	31	17	20	11	14	25	−10	13	−15	27
Wells	−28	20	9	27	6	2	12	+12	11	9	20	23	30	+2	24	23	19[f]	10						
Winnemucca	−15	21	6	1	18	24	24	19	20	13	29	22	36	3	30	18	26	11	18	23	3	13	−8	27
Truckee Basin.																								
Franktown			3	1	17	24	19	13	23	13	33	+12	32	27	31	30	26	11						
Glenbrook	0	11	3	1	20	2																		
Marlette Lake																	31[m]	27	18	3	4	13	13	25
Reno	−17	21	4	1	20	24	28	12	27	13	34	2	41	27	38	19	33	11	24	24	8	14	4	25
Carson Basin.																								
Fallon	−22	21	−12	1	20	24	25	13	26	+10	33	1	40	3	36	19	28	11	21	24	1	13	5	30
Gardnerville	−24	21	−9[f]	1	12[h]	24	22[g]	13	24[m]	2	28[i]	1	35[j]	28	34[j]	22	28[k]	12	19[f]	+24	4[g]	+13	2[k]	26
Lahontan	9	30	7	1	22	+1	30	+7	29	+7	40	+1	45	2	41	18	37	11	28	4	9	13	5	30
Walker Basin.																								
Mina	−14	30	9	1	21	+2	25	7			40	1					29	8	22	25	5	14	1	27
Thorne			18	+4													42	+21	30	22				
Yerington	−22	20	−11	1	12	24	23	13	22	11	28	2	37	5	34	18					0	13	−4	30
Colorado Basin.																								
Caliente	10	12	30	+3	26	23																		
Indian Springs													54	3	52	19	47[j]	+25	29	24	15	+13		
Las Vegas	13	1	22	2	34	26	37	8	40	+1	47	2	57	+1	53	17	44	12	35	31	20	14	16	9
Logan	18	12	23	1	31	25	40	+1	37	25	42	2	57	5	54	9	46	12	36	+8	23	15	13	9
Pioche	−2	12	−1	1	12	+2	28	+5	28	25	35	22	45	1	40	18	36	11	23	23				
Minor Basins.																								
Belmont			4	1	7	24	18	+12	20	13	27	+21	35	3	36	18	26	12	12	23	−5	13		
Cherry Creek	−16	30	−8	1	10	25	21	7	21	15	27	22	37	3	40	21	21	11	18	24	−3	13	−12	+27
Columbia	−3	12	2	1	17	2	24	7	26	14	35	22	42	3	44	19								
Gerlach	−19	20	18	2	18	24	25[g]	13	15	7	31	21	37	27	40	18	29	11	17	26	0	13	−2	30
Goldfield																	33	11	24	24	6	13	−4	26
Lida	−8	12	0	1	17	24	25	12	23	23	36	+3	42[g]	6					26	4	8[i]	13		
McDermitt	−4	20	4	1	8	2	17	18	18	12	25	20	34	18	31	18	27	+10	18	23	0	13	−7	30
McGill	−10	+30	−9	1	18	+2	23	7	24	15	32	22	40	3	41	20	25	11	25	+19	0	13	−14	28
Millett	−31	31	−25	1	12	2	19	7	17	14	29	+2	33	3	34	20	20	11	13	30	−2	13	−9	26
Oasis Ranch	−17	21	−14	1	20	2	26	6	26	25	35	18	40	2	42	19	31	11	23	26	5	14	−15	26
Pahrump													55[c]	12	49	19	34	10			7	15	10	16
Quinn River Ranch					15[d]	2	21	19	14	10	22[e]	22	34	18	25[d]	21	23	28	13	+24	−13	13	−20[k]	26
Rebel Creek	0	30	6	1	14[d]	5	23	19	22	10	28	21	40	18	33	+18	32	11	24	24	1	13	−2	+27
Rhyolite	15	12	17	1	28	23	37	12	31	25	37	1	50	2	47	16	40	26	36	3	18	13	10	27
Sand Pass	−15	+21	6	1	17	2	28	+12	25	7	35	+1	42	3	34	18	36	11	24	4	9	+13	8	8
Searchlight	20	31	22	1	31	23	39	12	40	24	52	1	63	+2	58	+16	53	11	36	7	21	13	15	+26
Sharp	−5	+12	−8	1	10	2	21	13	25	+1			40	+1	28	18	25	11	20	19	−1	13	−9	27
Sulphur	0	+1	0[e]	2	17[d]	24	23	12	24	13	29	21	39	3	34	18	31	11	20	24	0	13	0	26
Tonopah	4	12	9	1	16	24	26	12	22	24	34	21	48	3	40	18	39	11	24	23	6	13	6	26

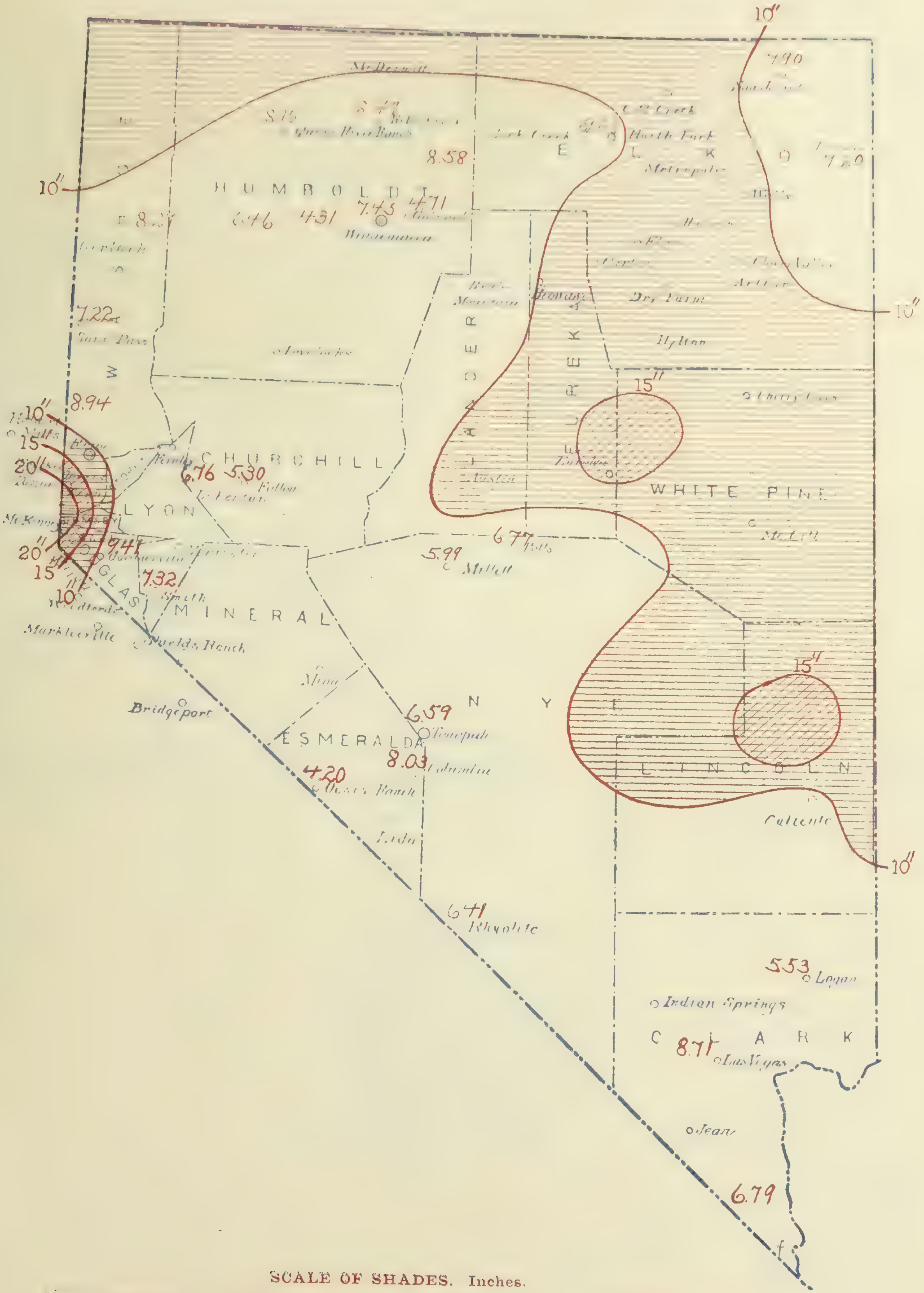
† Also on other dates.

NORMAL ANNUAL PRECIPITATION.



The influence of the diversified topography of Nevada upon its annual precipitation is shown by the isohyetals (inches) on the accompanying relief map.

Total precipitation, year 1916



SCALE OF SHADES. Inches.

☐ Less than 10. ▤ 10 to 15. ▦ 15 to 20. ▤ 20 to 36.

Cooperative Stations and Observers.

Stations.	Observers.	Stations.	Observers.	Stations.	Observers.
Austin	Forest Service	Goldfield	R. W. Robinson	Oasis Ranch	A. L. Stewart
Battle Mountain	Southern Pacific Co.	Halleck	Southern Pacific Co.	Owyhee	U. S. Indian Service
Belmont	Monitor Belmont Mining Co.	Imlay	Southern Pacific Co.	Pahrump	F. M. Buol
Beowawe	Southern Pacific Co.	Indian Springs	Ira McFarland	Paradise Valley	R. M. Taylor
Caliente	Salt Lake Route	Jack Creek	C. E. Butler	Pioche	M. L. Lee
Carlin	Western Pacific Co.	Jungo	Western Pacific Co.	Potts	Miss Maud Potts
Cherry Creek	J. H. Leishman	Lahontan	U. S. Reclamation Service	Quinn River Ranch	F. M. Payne
Clover Valley	J. F. Wiseman	Lamoille	Elko-Lamoille Power Co.	Rebel Creek	Fred Whittaker
Columbia	A. Booth	Las Vegas	C. P. Squires	Rhyolite	Secretary School Board
Dry Farm	Walfrid Sohlman	Lida	L. F. Detwiler	Sand Pass	R. R. Mott
Duck Flat	H. J. Muller	Logan	U. S. Experiment Farm	San Jacinto	Utah Construction Co.
Elko	Western Pacific Co.	McDermitt	U. S. Indian Service	Searchlight	C. L. A. Mahn
Eureka	Clay Simms	McGill	R. E. Middagh	Sharp	F. A. Sears
Fallon	U. S. Experiment Station	Mahoney Ranger Station	Forest Service	Smith	C. M. Carter
Frances	G. W. Barnard	Marlette Lake	V. & G. H. Water Co.	Sulphur	Western Pacific Co.
Franktown	Agent, V & T R. R.	Metropolis	L. F. Hatch	Tecoma	Southern Pacific Co.
Gardnerville	Forest Service	Millett	Fred J. Jones	Thorne	Southern Pacific Co.
Gerlach	Western Pacific Co.	Mina	Southern Pacific Co.	Vya	L. A. Marriette
Golconda	Southern Pacific Co.	Mt. Charleston	E. W. Griffith	Wells	Southern Pacific Co.
Gold Creek	Forest Service			Yerington	W. F. Powers

Mountain Snowfall Observers.

Stations.	Observers.	Stations.	Observers.	Stations.	Observers.
Arthur	Isaac Woodhouse	Hylton	Chas. Toyn, sr.	Shield's Ranch, Cal	Bruce H. Chichester
Bijou, Cal	Chas. Young	Markleeville, Cal	Mrs. Mary A. Thornburg	Tahoe City, Cal	Mrs. Emma C. Smith
Bridgeport, Cal	E. L. Brandon	McKinney, Cal	Henry Soll	Woodfords, Cal	Grant P. Merrill
		North Fork	Chas. Pratt		

Forecast Distributors and Displaymen.

Stations.	Distributors.	Stations.	Distributors.	Stations.	Distributors.
Austin	U. N. & I. Telephone Co.	Gardnerville	United Farmers' T. & T. Co.	Reno	U. S. Weather Bureau
Carson City	W. U. Telegraph Co.	Goldfield	W. U. Telegraph Co.	Tonopah (1)	U. S. Weather Bureau
Elko	Postmaster	Las Vegas	C. P. Squires	Tonopah (2)	Tonopah Daily Times
Ely	Steptoe Drug Co.	Lovelocks	U. N. & I. Telephone Co.	Virginia City	W. U. Telegraph Co.
Eureka	W. U. Telegraph Co.	Mina	W. U. Telegraph Co.	Winnemucca	U. S. Weather Bureau
Fallon	U. N. & I. Telephone Co.	Pioche	U. N. & I. Telephone Co.	Yerington	W. U. Telegraph Co.

Telephone Service.

Through the cooperation of the Golconda Telephone and Power Co., the Utah, Nevada and Idaho Telephone Co., and the Las Vegas Telephone and Power Co., the weather forecasts may be obtained free at all the principal telephone exchanges on the lines named.

General Cooperative Activities.

The Nevada Section of the U. S. Climatological Service (Section Center, Reno, Nev.) maintains a cooperation with the institutions named below:

The College of Agriculture, School of Mines, and Meteorological Department of the University of Nevada, in connection with evaporation work, snow surveys, the forecasting of Lake Tahoe stages, and the dissemination of climatological and seismological information for the use of agricultural, commercial and other interests.

The U. S. Reclamation Service, Fallon, Nev., in supplying precipitation and river data for use in water storage and irrigation work in the Truckee-Carson project.

The Bureau of Crop Estimates, U. S. Department of Agriculture, Washington, D. C., in connection with the printing and distributing of crop estimates for Nevada and the United States for the benefit of the agricultural and commercial interests of the State.

The Truckee River General Electric Co., and the Reno Power, Light and Water Co.: supplying rain and snowfall data for the Tahoe watershed in connection with the operation of the power, light, and water plants.

The Reno Commercial Club: supplying climatic information for use in its immigration and home seekers' departments.

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

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CLIMATOLOGICAL DATA

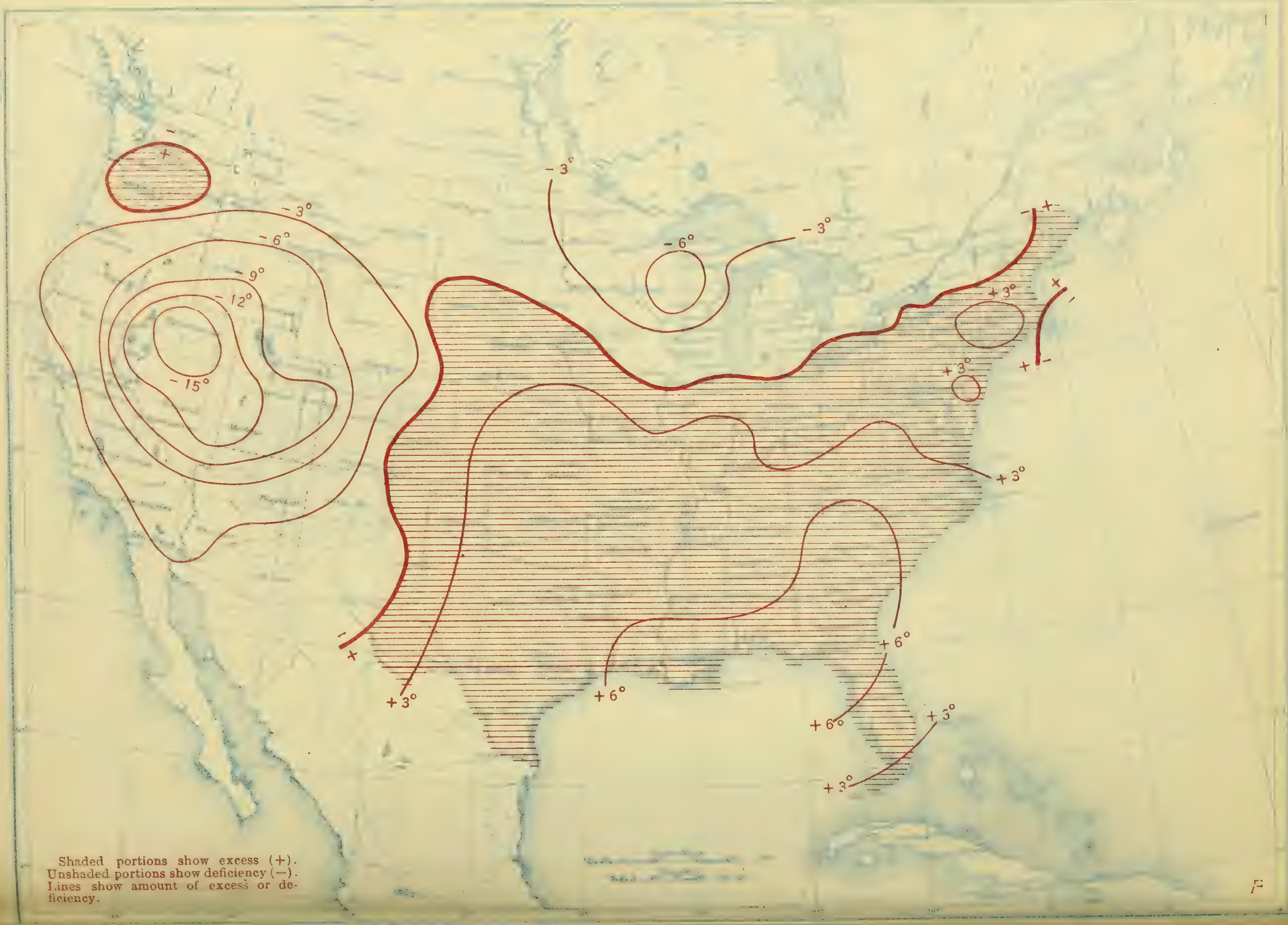
NEVADA SECTION

JANUARY, 1917

BY
HENRY F. ALCIATORE
METEOROLOGIST

RENO, NEV.
WEATHER BUREAU OFFICE
FEBRUARY 16, 1917.

Departure of the Mean Temperature from the Normal, January, 1917.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.
−3°
−6°
−9°
−12°
−15°
+
−
−3°
−6°
−3°
+3°
+3°
+3°
+6°
+6°
+6°
+3°
+3°
+3°
F

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALCIATORE, Meteorologist.

VOL. XXXII. RENO, NEVADA, JANUARY, 1917. NO. 1.

GENERAL SUMMARY.

Taking it by and large, this was the coldest January weather experienced in Nevada in the past 28 years. The deficiency in temperature was general, but much more pronounced in the northern than in the southern district. The mean temperature at Sulphur, in Humboldt County, was only 4.8° above zero. Minimum temperatures of 30 or more degrees below zero were recorded at several stations in the northern counties. An unusually long and intensely cold spell which began on the 8th, and lasted about 12 days, caused a considerable amount of damage and suffering in some cities and towns owing to the freezing and bursting of water mains. At Reno, in Washoe County, the temperature was continuously below the freezing point for a period of 286 hours beginning at 4 p. m. on the 8th, and fell to 5° below zero on the 17th. On some of the northern ranges there was some loss of cattle due to cold and starvation.

The precipitation was somewhat above the normal in some parts of Humboldt, Lander, Churchill, and Clark Counties, but markedly deficient over the rest of the State. The month was remarkably free from storms. The average precipitation was 82 per cent less than that of January a year ago, and about 48 per cent of the normal, the monthly amounts recorded having ranged from a trace to 1.76 inches. The snowfall within State limits averaged about 7 inches, which is less than 70 per cent of the normal. (A more extended discussion of the snowfall in the mountains of Nevada and eastern California appears on page 8 of this bulletin).

TEMPERATURE.

The monthly mean for the State, as shown by the records of 41 stations, was 17.8°. The mean for the 25 stations having ten or more years' record was 12.0° below normal. The highest recorded was 68°, at Pahrump on the 27th; the lowest was —38°, at Gerlach on the 15th. The greatest daily range was 61°, at Beowawe on the 26th. The highest monthly mean was 39.7°, at Logan; the lowest was 4.8°, at Sulphur.

PRECIPITATION.

The average for 51 stations reporting was 0.63 inch. For the 28 stations having ten or more years' record, the mean was 0.67 inch below the normal. The average amount at 3 stations in the Columbia Basin was 0.73 inch; at 16 stations in the Humboldt Basin, 0.66 inch; at 6 stations in the Truckee Basin, 1.06 inches; at 5 stations in the Carson Basin, 0.36 inch; at 5 stations in the Walker Basin, 0.19 inch; at 2 stations in the Colorado Basin, 1.34 inches; at 21 stations in the minor basins, 0.58 inch. The greatest monthly fall was 1.76 inches, at Logan; the least, a trace, at Gardnerville and Oasis Ranch. The average number of days with precipitation was 3.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations	Barometric pressure (sea level)			Mean relative humidity		Wind			
	Mean.	Highest.	Lowest.	8 a. m.	8 p. m.	Average hourly velocity	Max. velocity		
							Miles per hour	Direction.	Date.
Reno	30.30	30.73	29.65	88	60	4.8	43	w.	26
Winnemucca	30.37	30.89	29.71	86	61	6.[illegible]	35	sw.	[illegible]
Tonopah	30.28	30.66	29.79	79	77	7.8	58	nw.	9

SUNSHINE AND CLOUDINESS.

At Reno, 62 per cent of the possible sunshine was recorded; at Winnemucca, 69 per cent; at Tonopah, 75 per cent. For the State, the average number of clear days was 19; partly cloudy, 5; cloudy, 7.

MISCELLANEOUS PHENOMENA.

(Dates of.)

Brisk winds.—2, 3, 5, 11, 15, 16, 17, 20, 27, 28, 29, 30.

Fog.—7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27.

Sleet.—3.

Lunar halos.—7, 11, 29.

COMPARATIVE DATA FOR JANUARY.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation	Clear.	Partly cloudy.	Cloudy.	
1890	20.4	73	−42	3.81	35.1	10	11	8	12	s.
1891	27.6	68	25	0.21	2.0	2	13	10	8	ne.
1892	26.7	73	-25	0.53	4.4	4	16	8	7	s.
1893	29.7	65	-28	1.59	10.9	4	16	5	10	s.
1894	28.0	70	−30	1.42	12.8	6	10	8	13	sw.
1895	25.9	61	30	2.42	18.1	7	9	8	14	sw.
1896	33.9	79	26	1.80	4.0	6	9	8	14	sw.
1897	30.2	65	-15	0.92	8.6	5	10	8	13	s.
1898	20.4	63	−28	0.69	6.8	4	12	9	10	n.
1899	31.8	65	−12	1.20	12.0	6	11	7	13	w.
1900	35.7	71	−10	0.42	0.5	2	16	5	10	sw.
1901	30.1	75	−19	1.51	8.3	5	13	6	12	sw.
1902	28.4	69	−32	0.51	6.4	4	12	9	10	sw.
1903	32.0	72	−16	1.81	9.8	3	16	5	10	sw.
1904	27.4	71	−22	0.53	4.4	3	17	6	8	sw.
1905	34.5	72	−11	0.66	2.1	3	11	8	12	s.
1906	28.7	66	−15	2.31	12.7	4	13	6	12	sw.
1907	27.0	73	28	2.22	20.2	7	8	9	14	sw.
1908	32.5	75	−17	0.97	6.2	5	11	9	11	w.
1909	35.6	77	−16	2.47	6.3	6	9	10	12	sw.
1910	22.1	70	−28	1.28	11.4	4	12	8	11	sw.
1911	31.7	70	−28	2.76	12.6	8	13	6	12	s.
1912	31.5	73	−29	0.53	3.0	3	12	10	9	s.
1913	26.7	71	−38	0.69	8.8	4	16	6	9	w.
1914	34.2	87	−25	3.06	18.2	7	10	8	13	sw.
1915	30.2	78	-25	0.68	5.0	4	13	7	11	sw.
1916	24.1	66	−31	3.52	36.1	11	9	6	16	sw.
1917	17.8	68	−38	0.63	7.2	3	19	5	7	n.
Entire period	28.7	87	42	1.47	10.5	5	12	8	11	sw.

CORRECTIONS.

February, 1916.—McGill, mean temperature should be 33.7°.
March, 1916.—Rebel Creek, date of maximum should be 12†.
May, 1916.—Fallon, departure from normal temperature should be −1.8°.
June, 1916.—Gardnerville, departure from normal temperature should be −3.7°.
July, 1916.—Austin, departure from normal precipitation should be −0.44 inch.
Las Vegas, departure from normal precipitation should be −0.36 inch.
September, 1916.—Sand Pass, mean temperature should be 65.0°.
December, 1916.—Gardnerville, temperature data should have ^{k} after the figures.

LATE REPORTS.

December, 1916.—Gerlach, total snowfall, 2.6 inches.
Pahrump, total snowfall, 1.0 inch.

Climatological data for January, 1917.

Stations.	Counties.	Elevation, feet.	Temperature, in degrees Fahr.								Precipitation, in inches.					Number of days.					Observers.
			Length of record, years.	Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.	Prevailing direction of the wind.	
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	4	9.4[d]		34[d]	25	-23[d]	31	46[d]	4	1.17		0.40	23.0	6				n.	U. S. Forest Service.
Jack Creek**	do	6,300									4										C. E. Butler.
Mahoney Ran. Sta.**	do	6,200	2			46[g]	†9	-16[g]	16	45[g]	2	0.75		0.28	18.5	6	12	3	16		U. S. Forest Service.
Owyhee	do	5,400	6								6										E. A. Schwab.
San Jacinto	do	5,200	12	16.2	−10.1	46	26	-32	16	50	12	0.27	−0.27	0.15	9.0	3	15	6	10	s.	Utah Construction Co.
Humboldt Basin.																					
Arthur	Elko	6,500									7	0.46	−0.83	0.23	5.5	3	23	1	7		Isaac Woodhouse.
Austin	Lander	6,594	28	18.9	−9.9	49	25	-12	†15	39	28	1.38	+0.21	0.90	16.7	4	25	4	2		Forest Service.
Battle Mountain	do	4,513	46								48										Southern Pacific Co.
Beowawe	Eureka	4,695	46	10.9	−16.3	48	29	−32	17	61	48	0.50	−0.27	0.40	5.0	2	19	0	12		Do.
Clover Valley**	Elko	6,000	16	16.6	− 8.5	46	26	−18	18	42	24	0.36	−1.79	0.10		5	13	11	7		I. F. Wiseman.
Elko	do	5,063	46	12.0	-11.0	45	†7	−29	15	55	47	1.10	−0.57	0.90	10.0	4	15	3	13	w.	Western Pacific Co.
Eureka	Eureka	6,837	19	19.7	− 7.9	48	29	−20	16	41	21	0.39	−1.16	0.25	12.0	5	17	6	8	n.	Clay Simms.
Golconda	Humboldt	4,392	38	11.1	−18.4	48	29	18	†12	56	40	1.20	+0.47	0.50	12.0	3	11	14	6		Southern Pacific Co.
Hylton**	Elko	7,081									7	0.50		0.37	4.0	2	23	3	5		Chas. Toyne, sr.
Imlay §	Humboldt	4,209	4	10.8	−19.5	45	29	−35	17	46	4	0.90	+0.24	0.70	8.0	2	21	0	10		Southern Pacific Co.
Lamoille	Elko	6,100	2								2	0.37	−1.42	0.17	10.0	4					Elko-Lamoille Power Co.
Lovelock	Humboldt	3,977	23	11.0	−20.9	46	29	−30	17	54	21	0.92	+0.25	0.46	11.0	4	20	3	8	n.	John R. Montgomery.
Metropolis §	Elko	5,661	4	12.4		36	†26	−25	17	40	8	0.30	−1.10	0.30	4.0	1	18	8	5		L. F. Hatch.
North Fork	do	6,500									8										Chas. Pratt.
Paradise Valley	Humboldt	4,500	4	9.9		38	†6	−30	17	50	8	0.55		0.17	13.0	6	17	7	7	nw.	R. M. Taylor.
Potts	Nye	6,002	24	12.4	−12.1	42	29	−25	16	55	26	0.30	−0.23	0.10	3.0	3	11	6	14	s.	Miss Maud Potts.
Tecoma	Elko	4,812	39	14.1	− 8.8	43	28	−22	15	46	41	0.50	−0.12	0.30	5.0	3	10	16	5		Southern Pacific Co.
Winnemucca	Humboldt	4,344	40	11.8	−17.0	43	29	−22	17	44	48	0.90	−0.14	0.46	10.8	7	16	6	9	ne.	U. S. Weather Bureau
Truckee Basin.																					
Franktown §	Washoe	5,054	2	20.3	−12.9	53	30	−12	†16	34	2	0.30	−4.99	0.30	3.0	1	14	4	13		Agent V. & T. Ry.
Marlette Lake**	do	7,900	2	16.8		44	10	− 9	†16	39	4	2.24		0.86	17.0	8	21	2	8	e.	V. & G. H. Water Co.
Reno	do	4,532	30	22.8	− 9.7	51	27	− 5	17	35	30	0.05	−1.90	0.03	0.3	3	14	11	6	se.	U. S. Weather Bureau.
Bijou, Cal.		6,230	2	16.8		53	†10	−34	17	69	8	0.47		0.20	6.5	3				e.	Chas. Young.
McKinney, Cal.**		6,225									8	1.05		0.42	18.5	5	24	5	2	e.	Henry Soll.
Tahoe, Cal.		6,230	9	22.4		47	†24	7	17	39	9	2.23		0.77	23.0	6	8	12	11	w.	Mrs. Emma C. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	23	13.1	−17.7	54	28	-25	†16	47	23	0.68	+0.06	0.44	6.7	3	22	4	5	ne.	U.S. Experiment Station.
Gardnerville	Douglas	4,830	26	19.7[e]	−11.3	52[e]	27	−15[e]	17	44[e]	27	T.	−2.65	T.	T.	0				w.	Forest Service.
Lahontan**	Churchill	4,200	5	17.2		51	29	−17	17	35	7	0.45		0.22	6.8	3	17	9	5	nw.	U.S. Reclamat'n Service.
Markleeville, Cal.		5,525									8	0.25		0.10	5.0	3	16	7	8	n.	Mrs. Mary Thornburg.
Woodfords, Cal.**		5,634									8	0.42		0.30	6.0	2				sw.	Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	10	20.4	−13.5	48	30	−16	17	39	21	0.20	−0.30	0.20	3.5	1	30	0	1		Southern Pacific Co.
Smith	Lyon	4,800									9	0.25		0.20	2.5	2	12	7	12	n.	C. M. Carter.
Thorne §	Mineral	4,200	4								4										Southern Pacific Co.
Yerington §	Lyon	4,375	8	20.1	−12.6	53	29	−14	16	38	8	0.25	−0.34	0.15	2.8	2	20	0	11	sw.	W. F. Powers.
Bridgeport, Cal.		6,500	4	5.8		45	29	−33	17	48	6	T.		T.	T.	0	22	6	3	ne.	Geo. Delury, jr.
Shields Ranch, Cal.**		5,300									8	0.26		0.20	2.5	2	21	6	4		Bruce H. Chichester.
Colorado Basin.																					
Indian Springs §**	Clark	3,136	4								4										Ira McFarland.
Las Vegas	do	2,033	15	39.6	− 2.2	63	10	16	15	35	15	0.92	+0.43	0.70	0	2	19	4	8	s.	C. P. Squires.
Logan §	do	1,355	10	39.7	− 3.0	63	10	18	†14	35	18	1.76	+0.86	1.08	0	2	13	15	3		Experiment Farm.
Mt. Charleston**	do	9,000									2										E. W. Griffith.
Pioche	Lincoln	6,100	19								19										M. L. Lee.
Minor Basins.																					
Belmont	Nye	8,540	17								17										Monitor-Belmont M. Co.
Cherry Creek	White Pine	6,450	9	14.6		47	10	−27	18	51	9	0.10		0.09	2.2	2	16	9	6	w.	L. F. Howard.
Duck Flat**	Washoe	4,725									3	0.52		0.15	10.0	6	21	6	4	nw.	H. J. Muller.
Francis (near)	do	5,350									3	0.24		0.10	4.0	4	20	9	2	ne.	Geo. W. Barnard.
Gerlach	do	3,931	5	7.8		41	†28	−38	15	43	5	0.41		0.30	4.1	3	16	0	15	sw.	Western Pacific Co.
Goldfield	Esmeralda	5,700	10	20.4	−11.3	46	30	−10	†16	30	12	0.06	−1.02	0.05	T.	2	25	3	3	n.	R. W. Robinson.
Jungo	Humboldt	4,165									4	1.05		0.48	9.0	5	12	13	6	sw.	Western Pacific Co.
Lida §	Esmeralda	6,037	5								5										L. F. Detwiler.
McDermitt	Humboldt	4,700	6	14.6	−12.5	38	†6	−16	18	43	30	0.89	−0.84	0.20	18.5	7	21	6	4	n.	U. S. Indian Service.
McGill §	White Pine	6,338	7	19.6	− 6.0	45	11	−11	17	40	7	0.43	−0.60	0.15	4.3	4	20	5	6	n.	R. E. Middagh.
Millett	Nye	5,040	9	15.4		48	29	−19	17	44	10	0.15		0.15	3.0	1	22	3	6		Fred J. Jones.
Oak Springs**	do	5,900									1	0.29		0.20	2.0	3	23	1	7		Mrs. R. E. Bower.
Oasis Ranch §**	Esmeralda	5,106	5	20.1	−10.1	55	7	−12	17	56	5	T.	−0.75	T.	T.	0	29	0	2		Arthur L. Stewart.
Pahrump	Nye	2,608	4	33.4		68	27	8	18	47	4	1.13		0.70	1.0	3	17	6	8	s.	F. M. Buol.
Quinn Riv. Ranch**	Humboldt	4,850	15	10.1[d]	−16.5	39[f]	28	−34	17	52[f]	16	1.10	−0.09	0.40	12.0	6				w.	F. M. Payne.
Rebel Creek	do	4,300	5	14.8		40	27	−14	†14	35	6	0.90		0.31	15.5	6				sw.	Fred Whitaker.
Rhyolite	Nye	3,680	4	34.2		61	9	10	16	31	4	0.32		0.18	4.0	3	21	7	3	n.	Secretary School Board.
Sand Pass**	Washoe	4,198	4	11.8		46	29	−27	17	38	4	0.61		0.34	8.8	4	15	5	11	e.	R. R. Mott.
Searchlight	Clark	3,445	4	38.2		57	†11	16	17	21	4	1.36		0.61	3.5	5	16	4	11	n.	C. L. Aug. Mahn.
Sharp	Nye	6,200	4	21.6		52	11	−11	17	46	4	0.31		0.25	5.0	2	23	2	6	nw.	F. A. Sears.
Sulphur	Humboldt	4,044	4	4.8		42	†28	−31	17	48	4	0.77		0.52	11.5	3	18	7	6	sw.	Western Pacific Co.
Tonopah	Nye	6,090	12	20.6		43	29	− 7	16	25	12	0.50		0.29	5.1	4	18	8	5	w.	U. S. Weather Bureau.
Vya	Washoe	5,500									4	1.10		0.50	11.0	3	27	0	4		L. A. Mariette.
For the State				17.8	−12.0	68	27	−38	15	61		0.63	−0.67	1.08	7.2	3	19	5	7	n.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Jack Creek, Tuscarora; of Mahoney Ranger Station, Jarbridge; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of McKinney, Hellman's, Lake Tahoe, Cal.; of Lahontan, Hazen; of Woodfords, Cal., Sheridan, Nev.; of Shield's Ranch, Coleville, Cal.; of Indian Springs, Las Vegas; of Mt. Charleston, Las Vegas; of Duck Flat, Gerlach; of Francis, Sunkist; of Oak Springs, Las Vegas; of Oasis Ranch, Oasis, Cal.; of Quinn River Ranch, Amos; of Sand Pass, Sheepshead.

Reference letters, [a], [b], [c], appearing in the table indicate number of **days** missing, for example, [b] represents two days missing, etc.

† Also on other dates. †† **Received too late to be included in means and summaries.**

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for January, 1917.

Stations.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	[illegible]
Columbia Basin.																																
Gold Creek (near)		.20	.10																	.10	[illegible]								[illegible]	.10		[illegible]
Jack Creek																																
Mahoney Ranger Station		.07	.20		T	.07	.03					T											.28							.10		0.75
Owyhee																																
San Jacinto			T										T							[illegible]			.06						[illegible]	[illegible]		[illegible]
Humboldt Basin.																																
Arthur		.09																		[illegible]										.11		[illegible]
Austin			.90																	.05		.03								.40		1.38
Battle Mountain																																
Beowawe		.40																												.10		0.50
Clover Valley		.10			.02																		.08						.10	.06		[illegible]
Elko			.90		.10																.05									.05		1.10
Eureka		.05	.02			T														.02	.05									.05		0.19
Golconda		.50			.20																									.40		1.10
Hylton																						.57								.13		0.70
Imlay			.70																		.20											0.90
Lamoille ‖					T	.04													.12	.01										.17		0.34
Lovelock		.26	.16																			.18								.02		0.62
Metropolis			T	T	.30																											0.30
North Fork																																
Paradise Valley	T	.17	.06		.12	.04														T	.13							T	T	[illegible]		[illegible]
Potts		.10					T														.10									.10		0.30
Tecoma			.30																		.05									.15		0.50
Winnemucca***		.42	.04		.10		.01													.01	.08									.24		0.90
Truckee Basin.																																
Franktown	T																													.30		0.30
Marlette Lake ‖	.08		.86		.07	.35																.08							.11	.54	.12	2.21
Reno***		.01	.01				T					T	T							T	T									.03		0.05
Bijou, Cal.			.10		.17																									.20		0.47
McKinney, Cal.		.21	.18		.22																T							T	.02	.12		1.05
Tahoe, Cal. ‖	.21	T	.57			.35	T	T														T						T	.15	.77	.18	2.23
Carson Basin.																																
Fallon ‖		.14	.41																												.13	0.68
Gardnerville																														T		T
Lahontan	.05	.18					T																							.22		0.45
Markleeville, Cal.					.05																.10									.10		0.25
Woodfords, Cal.					.30																									T	.12	0.42
Walker Basin.																																
Mina																.20																0.20
Smith		.20	.05																													0.25
Thorne																																
Yerington		.15					.10													T												0.25
Bridgeport, Cal.																				T												T
Shields Ranch, Cal.	.06		.20		T															T										T		0.26
Colorado Basin.																																
Indian Springs ‖																																
Las Vegas			.22																	.70												0.92
Logan			.68																	1.08												1.76
Mt. Charleston																																
Pioche																																
Minor Basins.																																
Belmont ‖																																
Cherry Creek			.09																											.01		0.10
Dick Flat	.05	.12			.10																.08					.02				.15		0.52
Francis (near)			.09										.10								.04									.01		0.24
Gerlach		.10	.30		.01																											0.41
Goldfield			.05															T	T	T	.01											0.06
Jungo		.07	.48		.06																.06									.38		1.05
Lida																																
McDermitt	.20	.05	.20		.11	.15	T													T	.15									.13		0.89
McGill			.15																	.12	.10									.06		0.43
Millett			.15																													0.15
Oak Springs				.20															.05			.04										0.29
Oasis Ranch																		T	T													T
Pahrump			.33														.10			.70												1.13
Quinn River Ranch	.04	.40	.16		.10																.35							.05		T		1.10
Rebel Creek		.08	.31		.14	.08															.15									.14		0.90
Rhyolite			.18															.10	.04													0.52
Sand Pass		.34	.20		.03																T									T		0.61
Searchlight			.61															.01	.17	.54	.03											1.36
Sharp			.25																	.06												0.31
Sulphur		*	.52		T					T											T									.25		0.77
Tonopah***		.14	.06															T	.01	T	.29											0.50
Vya ‖		.40																		.50							.20					1.10

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.
‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

Daily Evaporation (inches) and Wind Movement (miles) for January, 1917.

(See temperature and precipitation data in Climatological Tables, pages 4 to 6.)

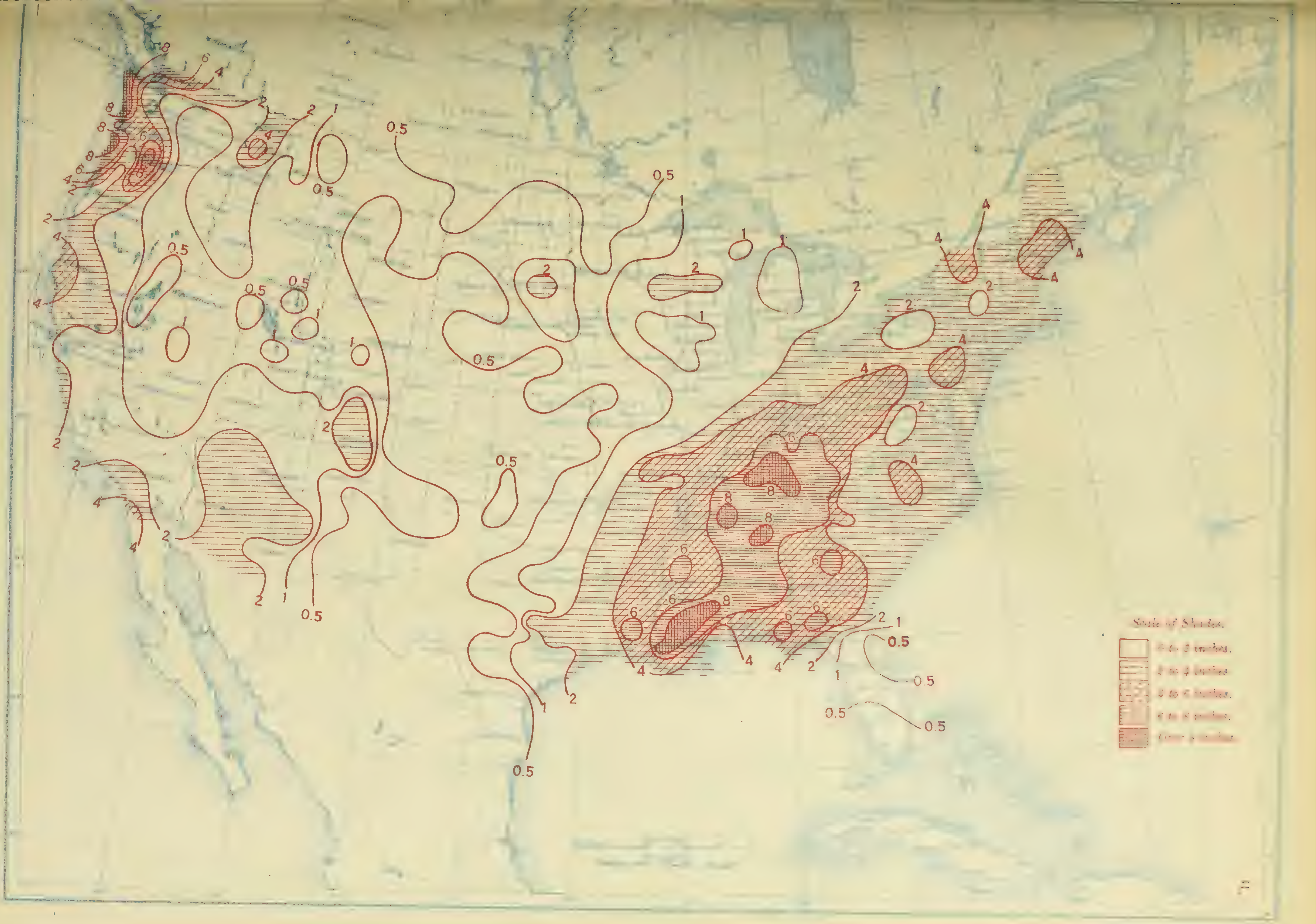
Station.	Data.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Monthly.
Indian Springs*	Evaporation																																
	Wind movement																																
Lamoille*	Evaporation																																
	Wind movement	‡	‡	209	47	40	‡	‡	‡	‡	224	90	‡	137	55	15	104	50	46	30	34	61	‡	44	150	50	32	108	147	198	205	50	2,126
Marlette Lake*	Evaporation																																
	Wind movement																																
Tahoe, Cal.**	Evaporation				.025	.020																				.170	.015	.045					
	Wind movement	‡	240	42	59	14	‡	‡	‡	‡	651	15	‡	208	‡	228	‡	‡	‡	‡	‡	‡	913	107	107	57	43	46	34	135	196	80	3,175

* Observations taken at 7 a. m.; ** at 8 a. m. ‡ Included in next following entry.

Daily temperatures for January, 1917.

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek (near)	Maximum	20	25	30	22	30	32	30					32	14	6	1	3	15	18	20	21	20	10	18	27	34	30	32	30	28	20	10	21.4
	Minimum	-10	0	15	0	2	10	6					14	-10	-18	-21	-18	-22	-13	-8	14	10	-16	10	2	23	3	4	21	0	-15	-23	-2.5
Owyhee	Maximum																																
	Minimum																																
San Jacinto	Maximum	30	34	32	34	34	40	31	27	34	34	41	31	21	24	12	2	11	25	31	23	27	23	23	34	43	46	38	40	37	32	22	29.5
	Minimum	-13	20	18	10	25	18	7	12	8	-5	-2	13	-17	-10	-27	-32	-28	-19	-8	3	8	-27	18	8	22	20	18	32	15	7	-7	2.8
Humboldt Basin.																																	
Austin	Maximum	34	37	33	36	37	35			36	48	47	34	34	22	12	10	15	33	43	25		30	35	36	49	39	44	42	42	36	20	30.5
	Minimum	10	19	15	8	7	15			9	16	18	2	-1	3	-12	-12	-12	-6	10	12		-1	7	6	19	16	15	24	30	14	4	7.3
Battle Mountain	Maximum																																
	Minimum																																
Elko	Maximum	24	28	30	25	32	40	45	40	32	22	29	30	20	20	18	15	14	16	22	26	31	23	25	32	40	43	44	44	45	40	26	29.7
	Minimum	7	12	17	5	4	-15	-6	-9	-7	-12	-15	-21	23	-16	-29	-25	-27	-26	-17	0	15	-26	12	12	15	-1	4	10	12	10	-23	-5.8
Eureka	Maximum	33	32	33	39	36	35	33	41	45	36	40	30	34	23	12	12	18	32	41	31	24	27	35	37	47	41	44	46	48	39	21	33.7
	Minimum	8	15	16	5	17	15	0	4	13	17	12	0	-2	-3	-17	-20	-12	-9	4	12	8	-7	3	0	12	7	14	22	28	22	-8	5.7
Imlay	Maximum	28	37	35	35	38	37	34	33	29	21	22	11	15	12	18	15	10	13	12	22	34	23	29	30	31	21	37	43	45	42	28	27.4
	Minimum	14	19	15	-4	-4	-9	-1	-4	-4	-8	-11	-20	-23	-22	-23	-11	-35	-28	-20	-11	-1	-18	-5	-12	-7	-10	-5	21	35	18	-8	-5.9
Lamoille	Maximum																																
	Minimum																																
Paradise Valley	Maximum	24	34	36	28	37	38	35	23	25	22	19	18	11	18	22	17	16	11	20	19	26	26	30	28	33	28	33	37	38	35	20	26.0
	Minimum	10	13	10	0	0	3	0	-5	9	15	-16	-20	26	-20	-28	-19	-30	-25	-20	-7	10	-19	-8	-9	-5	-13	-6	30	33	15	-13	-6.2
Tecoma	Maximum	25	25	30	37	35	34	38	30	31	30	30	35	22	21	20	19	20	19	23	32	30	27	36	37	40	41	40	43	40	42	22	30.8
	Minimum	-11	-5	0	-3	0	0	3	-5	6	-6	-11	-11	-18	-11	-22	-20	-12	-20	-15	3	0	-15	8	12	15	20	6	20	22	18	-5	-2.6
Winnemucca	Maximum	27	39	35	29	32	34	32	23	25	23	22	16	16	20	13	14	12	15	20	23	32	26	30	30	31	23	43	43	43	38	24	26.9
	Minimum	-3	18	5	0	9	6	5	-2	6	-4	-11	-18	-19	-19	20	-14	-22	-21	-15	-2	-4	-14	1	-7	-3	-4	1	33	34	-6	-13	-3.2
Truckee Basin.																																	
Franktown	Maximum	27	28	39	38	47	42	35	30	29	24	22	30	24	30	20	12	18	22	28	32	39	33	38	38	41	42	41	38	42	53	30	32.6
	Minimum	13	13	30	9	21	18	12	9	8	8	9	2	8	9	-3	-12	-12	-8	-2	-2	14	3	6	8	9	9	10	19	20	22	-3	8.0
Marlette Lake	Maximum		28	24	29	29	17	20	27	38	44	36	27	32	38	10	-3	10	20	31	20	22	31	31	36	41	38	32	25	27	29	30	27.3
	Minimum	7		3	0	0	14	3	11	4	5	10	18	9	8	-5	-9	-9	-8	0	3	4	-1	5	10	12	11	11	22	21	22	5	6.2
Reno	Maximum	28	41	39	34	45	38	32	34	27	21	28	21	24	32	21	17	18	24	28	34	36	33	41	41	43	42	51	45	48	41	30	33.5
	Minimum	17	22	16	7	17	19	14	16	15	15	12	15	10	5	1	-2	-5	-3	1	1	13	8	10	13	14	10	16	38	38	16	6	12.1
Tahoe, Cal.	Maximum	32	35	36	41	33	31	28	37	41	44	40	31	38	31	16	18	20	34	37	31	27	36	42	47	43	42	47	33	38	30	29	34.5
	Minimum	9	25	18	10	18	14	5	8	7	11	14	11	-1	7	1	5	7	-3	5	9	13	2	9	12	12	13	16	22	27	27	0	10.3
Carson Basin.																																	
Fallon §§	Maximum	26	37	38	30	37	33	31	30	28	25	25	18	14	11	9	12	9	10	16	22	33	24	25	27	31	20	42	54	51	45	27	27.1
	Minimum	0	15	21	-3	0	9	-1	9	17	7	12	-3	-16	-12	-20	-25	-25	-21	-13	-13	-3	-7	-5	-5	-4	-2	-4	7	33	27	-3	-0.9
Gardnerville	Maximum		43	43	34	43			44	29	27	27	26	22	26	24	18	18	21	26	30		36	38	35	39	39	52		50	46	38	33.6
	Minimum		-1	28	5	13			10	7	11	6	7	5	-2	-6	-12	-15	-11	-5	-4		1	4	5	6	5	13		36	32	12	5.8
Lahontan	Maximum	27	36	38	30	44	40	35	29	29	27	26	16	18	16	15	18	11	12	16	24	34	31	26	36	34	35	30	48	51	41	29	29.1
	Minimum	5	18	25	2	9	20	3	19	20	15	16	9	-5	-5	-11	-13	-17	-15	-7	-4	2	0	0	1	4	8	0	19	22	22	1	5.3
Walker Basin.																																	
Mina	Maximum	37	33	37	40	37	42	42	46	34	40	26	25	24	20	18	19	20	30	34	34	28	34	34	42	34	38	34	47	45	48	33	34.0
	Minimum	17	22	22	12	2	12	10	12	-1	12	11	8	-7	-8	-12	-12	-16	-4	16	8	-3	4	-5	4	3	7	7	20	28	27	12	6.7
Yerington	Maximum	25	33	39	35	44	40	32	32	28	24	26	23	20	20	20	15	16	22	26	34	38	34	39	40	40	42	36	52	53	48	32	32.5
	Minimum	4	18	26	4	10	19	14	20	8	9	12	11	2	-3	-5	-14	-11	-10	-5	-4	10	-1	1	2	5	5	9	25	40	28	9	7.7
Bridgeport, Cal.	Maximum	22	34	18	16	20	14	10	15	14	20	24	10	7	20	5	0	1	10	13	14	20	11	27	24	24	21	41	35	45	29	21	18.9
	Minimum	-1	7	8	-16	-5	-16	-20	7	-17	-10	-8	-7	-25	-14	-15	-32	-33	-20	-15	-15	-5	-12	-9	-9	-7	-11	-7	28	21	14	14	-7.4
Colorado Basin.																																	
Indian Springs	Maximum																																
	Minimum																																
Las Vegas	Maximum	51	54	43	55	50	55	57	56	60	63	60	57	51	52	44	37	44	53	48	43	43	47	45	54	58	61	57	60	62	56	53	52.5
	Minimum	27	32	27	26	25	25	28	29	30	29	31	33	22	17	16	22	26	32	32	37	26	24	24	21	26	28	25	27	28	31	25	26.8
Logan	Maximum	55	51	42	50	52	53	53	56	57	63	58	56	51	50	45	39	47	48	50	51	40	45	45	50	57	60	57	60	62	56	55	52.1
	Minimum	28	32	34	29	29	28	24	30	32	28	30	26	26	18	26	24	18	30	43	33	27	24	22	22	25	26	27	28	30	29	27	27.3
Pioche	Maximum																																
	Minimum																																
Minor Basins.																																	
Cherry Creek	Maximum	31	34	36	30	38	31	26	18	25	47	45	35	30	20	15	10	12	13	35	35	15	20	28	28	40	35	37	38	40	37	20	29.2
	Minimum	6	12	22	3	13	10	-1	-5	2	12	13	-3	-15	-2	-22	-22	-24	-27	-16	10	2	-22	7	-6	-4	5	5	25	28	17	-20	0.1
Gerlach	Maximum	25	39	33	28	28	30	28	24	20	24	38	2	1	2	3	4	7	6	3	12	32	29	21	17	19	20	22	41	41	38	26	21.4
	Minimum	-1	20	7	15	1	-1	-6	-7	-13	-14	-2	-2	-24	-14	-38	-26	-34	-30	-25	-22	6	-14	-8	-11	-8	5	2	13	33	23	-3	-5.7
Goldfield	Maximum	35	29	34	37	34	33	29	28	37	37	33	30	25	30	19	11	15	18	33	31	28	26	33	33	38	39	42	42	44	46	29	31.5
	Minimum	17	17	24	8	12	9	9	9	9	11	14	13	0	5	-5	-10	-10	-1	12	17	8	0	4	8	11	14	12	21	22	26	6	9.4
McDermitt	Maximum	23	33	35	27	32	38	32	26	29	23	22	31	19	20	17	12	28	16	21	23	25	24	28	28	31	27	33	38	37	36	20	26.9
	Minimum	3	18	11	11	16	15	11	7	5	-3	-6	-8	-12	-13	-7	-9	-15	-16	-9	2	12	-5	2	1	11	-5	1	26	22	14	-5	2.4
McGill	Maximum	30	29	32	31	33	29	23	26	43	39	45	37	33	29	13	12	11	28	40	33	28	26	33	32	44	40	41	42	44	37	21	31.7
	Minimum	10	16	17	1	18	8	2	2	3	11	15	6	-4	10	-6	-8	-11	-9	5	7	10	-7	12	2	11	16	20	26	29	20	0	7.5
Millett	Maximum	35	33	38	31	36	38	32	31	35	40	29	30	30	31	22	16	20	30	29	28	32	23	27	31	36	32	30	44	48	42	30	31.9
	Minimum	1	12	17	8	3	3	-5	-5	-7	-2	0	-9	14	-9	-11	-16	-19	-10	-7	12	7	-18	-11	-9	-6	-6	-5	11	32	22	10	-1.0
Oasis Ranch	Maximum	32	33	37	39	34	35	55	28	30	32	30	29	31	32	30	10	15	19	31	29	35	28	39	37	38	40	41	45	45	47	54	34.2
	Minimum	23	16	21	2	5	3	-1	-2	0	2	9	3	2	-11	0	-6	-12	2	15	16	7	4	-2	9	5	6	7	15	13	22	14	6.0
Rebel Creek	Maximum	26	36	36	27	31	39	38	27	25	21	25	20	12	19	17	22	18	18	20	23	20				25	23	40	39	38	35	25	26.6
	Minimum	7	17	21	9	15	12	15	5	6	-2	-2	-10	-12	-14	-10	-12	-14	-13	-9	-1	-2				10	-3	5	34	31	8	-4	3.1
Rhyolite	Maximum	42	43	42	48	45	39	48	54	61	57	48	50	48	40	28	24	25	37	39	33	40	37	48	41	57	52	49	48	51	48	45	44.1
	Minimum	22	26	31	25	27	28	26	25	30	31	31	24	18	12	12	10	11	20	30	29	23	20	19	26	26	34	27	30	32	29	23	24.1
Sand Pass	Maximum	23	36	38	31	25	34	26	22	28	26	23	18	11	9	5	14	6	6	9	15	36	28	25	23	22	18	24	45	46	45	24	23.9
	Minimum	18	21	16	-2	3	3	-8	10	16	5	2	-1	-6	-5	-26	-21	-27	-22	-13	-21	-2	-2	-3	-5	2	-10	9	20	36	21	2	-0.3
Searchlight	Maximum	45	47	40	48	48	44	43	46	51	53	57	50	43	48	39	27	30	40	40	36	34	34	44	41	49	51	56	55	57	51	50	45.1
	Minimum	32	30	31	30	31	33	35	35	39	35	42	39	29	28	22	20	16	26	36	32	25	25	24	28	28	35	36	35	37	36	40	31.3
Sharp	Maximum	32	38	35	33	33	37	26	40	42	50	52	40	30	28	18	20	20	42	42	34	27	26	34	36	40	40	44	44	45	46	27	35.5
	Minimum	7	14	15	9	2	5	3	4	9	12	15	20	0	0	-10	-10	-11	-4	15	28	5	-6	-2	8	18	17	10	20	20	25	-2	7.6
Sulphur	Maximum	21	35	31	24	25	31	26	23	24	22	15	7	1	3	4	9	1	3	6	13	28	17	13	9	18	8	40	42	42	38	27	19.5
	Minimum	-4	0	2	2	0	0	-4	-10	2	0	-8	-15	-27	-19	-28	-29	-31	-30	-25	-21	-15	-11	-11	-10	-7	-10	-8	1	13	5	-12	-10.0
Tonopah	Maximum	28	27	27	31	29	30	22	27	34	38	35	27	22	23	8	4	7	25	33	26	23	22	28	29	36	33	36	39	43	40	22	27.5
	Minimum	20	20	18	18	20	18	13	12	16	21	23	12	7	2	-4	-7	-6	3	14	11	11	9	17	18	22	21	22	24	27	15	8	13.7

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
0.5
1
2
4
6
8

Snowfall in the elevated regions of Nevada Section, January, 1917.

Less snow fell in the Sierras this month than in any other January since the establishment of the mountain snowfall service in 1909. In the Truckee, Carson, and Walker Basins, the fall was only 14 per cent of the normal, the greatest deficiency having occurred in the last-named basin. Fortunately, the snowfall of the preceding December had been unusually copious, (161 per cent of the normal in the Truckee Basin), so that by the close of January the average depth of the snow cover was only 28 per cent below normal. The month was a very cold one, with an unusually large amount of sunshine. A considerable deficiency in snowfall is also noted in the Humboldt Basin, though not so marked as in the other basins named.

In the Truckee Basin the fall was from 6.5 to 23.0 inches, or about 18 per cent of the normal. The thickness of the cover on the 31st varied from 14 to 49 inches; at the southeastern end of Lake Tahoe it was only 39 per cent of the normal, while at the northwestern end it was 89 per cent. By the "accumulative snowfall" method of reckoning, the current season's snowfall averages less than 50 per cent of the normal.

In the Carson Basin, two stations reporting, the average fall at elevations of 5,500 to 5,600 feet was 5.5 inches, or about 13 per cent of the normal. The snow cover at the close of the month was slightly thicker than usual at Woodfords, but deficient at Markleeville.

In the Walker Basin the average fall, three stations reporting, was 1.7 inches, which is 12 per cent of the normal. At Bridgeport there was only a trace, and at Shield's Ranch and Smith 2.5 inches. No snow remained on the ground at the close of the month at Smith or Bridgeport, but at Shield's Ranch the cover was 4 inches thick.

In the Humboldt Basin the average fall for 8 stations was 6.8 inches; this is about 68 per cent of the normal. The greatest amount reported was 12 inches at Eureka, and the least 3 inches at Millett. Owing to the heavy snows of the preceding December, the snow cover on the 31st was thicker than usual at all stations except Metropolis.

Lake Tahoe usually rises considerably in January, but this month it fell more than three-tenths of a foot, and, on January 31, 1917, was at a stage of 6227.87, which is only two-tenths of a foot below that of January 31st a year ago, and nearly one and one-half feet above the normal.

SNOWFALL.

(Inches.)

Stations.	Counties.	Altitude.	Total snowfall.	Amount on ground on 15th of month.	Amount on ground on last day of month.	Depth on last day of month compared with normal
Truckee Basin.						
Bijou, Cal	Eldorado	6,230	6.5	14	14	−22
McKinney, Cal	Placer	6,225	18.5	38	43	−9
Marlette Lake	Douglas	7,900	17.0	42	48	−39
Tahoe, Cal	Placer	6,230	23.0	42	49	−6
Truckee, Cal	Nevada	5,818	14.0	17	15	−18
Carson Basin.						
Markleeville, Cal	Alpine	5,525	5.0	16	10	−4
Woodfords, Cal	do	5,634	6.0	5	4	+1
Walker Basin.						
Bridgeport, Cal	Mono	6,500	T.	4	0	−8
Shield's Ranch, Cal	do	5,300	2.5	5	4	+2
Smith	Lyon	4,800	2.5	2	0	−1
Humboldt Basin.						
Arthur	Elko	6,500	5.5	8	6	+2
Beowawe	Lander	4,695	5.0	15	5	+5
Eureka	Eureka	6,837	12.0	6	8	+6
Hylton	Elko	7,081	4.0	10	12	+2
Lamoille	do	6,100	10.0	12	.....	.....
Metropolis	do	5,661	4.0	10	8	−2
Millett	Nye	5,040	3.0	.....	0	0
North Fork	Elko	6,500	.....	.....	.....	.....
Wells	do	5,631	.....	.....	.....	.....
Winnemucca	Humboldt	4,344	10.8	.....	3	+3

NE

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CLIMATOLOGICAL DATA

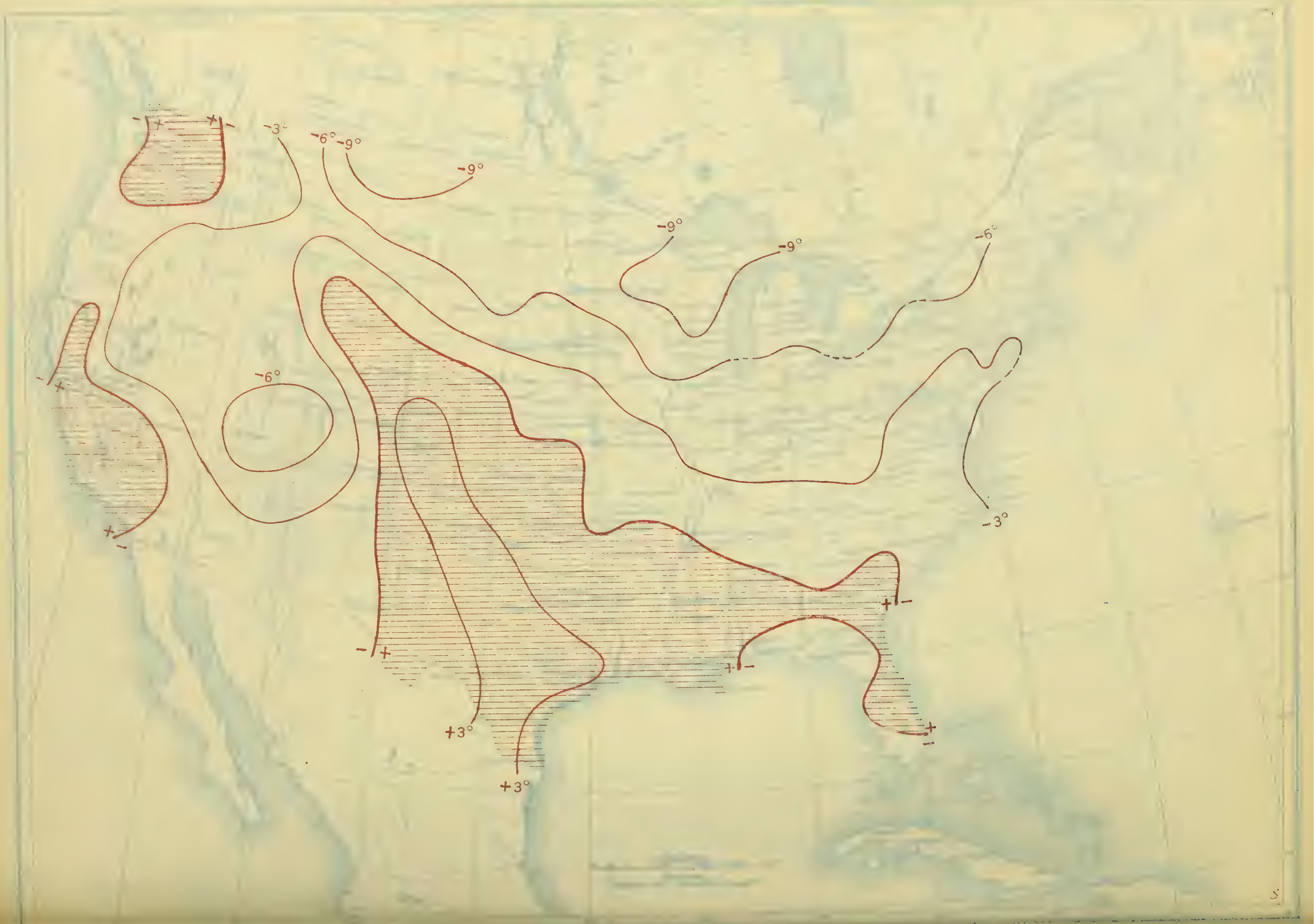
NEVADA SECTION

FEBRUARY, 1917

BY
HENRY F. ALCIATORE
METEOROLOGIST

RENO, NEV.
WEATHER BUREAU OFFICE
MARCH 19, 1917

Departure of the Mean Temperature from the Normal, February, 1917.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALCIATORE, Meteorologist.

Vol. XXXII. Reno, Nevada, February, 1917. No. 2.

GENERAL SUMMARY.

February was an unusually cold and windy month. The number of comfortable days was very small. With a few exceptions, the mean temperatures were considerably below the normal. The extremes of temperature, a maximum of 75° at Las Vegas, and a minimum of 34° below zero at San Jacinto, were within the limits of previous years. With the exception of Clark County, the ground remained frozen throughout the month.

The precipitation was unevenly distributed, being light in some sections, and heavy in others. The first decade was generally fine and dry, but the rest of the month was unsettled and stormy, and rain or snow occurred in one part or another of the State daily. All the western border counties from the northern boundary of Washoe County to Esmeralda County received an ample supply of moisture, as did a few localities in Elko and Eureka counties; in the other districts, however, precipitation was deficient, so that the average for the Section was about normal. There was more snow than usual in some parts of the northern and central counties, the amounts reported having ranged from a trace to 66 inches. At the close of the month the prospects for water were better, generally, than at the end of January. (A more extended discussion of the snowfall in the mountains of Nevada and eastern California appears on page 16 of this bulletin.)

Mr. Edward C. Paxton, Field Agent for Nevada, says: "Stocks of grain on farms in Nevada on March first are estimated to be smaller than for several years. Heavy demand for high grade western wheat in the east and north to replace the northern spring wheat which was almost a failure produced keen competition and high prices of which the rancher was disposed to take advantage. Some reserve stocks of wheat two years old were sold during the past winter. The long cold winter and high priced hay encouraged greater rations of grain for stock and used up the reserves of oats and barley. The winter range did not prove exceptionally good and feeding in many places was interfered with by severe cold. Stock losses in some sections have been rather heavy. The high prices of lambs and wool induced many sheep men to send old and unfit ewes to the winter range and this class of sheep suffered severe losses."

TEMPERATURE.

The monthly mean for the State, as shown by the records of 44 stations, was 30.5°. The mean for the 25 stations having ten or more years' record was 2.5° below normal. The highest recorded was 75°, at Las Vegas on the 24th; the lowest was —34°, at San Jacinto on the 1st. The greatest daily range was 57°, at San Jacinto on the 1st. The highest monthly mean was 49.7°, at Logan; the lowest was 14.5°, at Gold Creek.

PRECIPITATION.

The average for 54 stations reporting was 1.01 inches. For the 28 stations having ten or more years' record, the mean was 0.05 inch below the normal. The average amount at 4 stations in the Columbia Basin was 1.28 inches; at 16 stations in the Humboldt Basin, 0.91 inch; at 5 stations in the Truckee Basin, 5.98 inches; at 5 stations in the Carson Basin, 2.21 inches; at 5 stations in the Walker Basin, 1.77 inch; at 3 stations in the Colorado Basin, 0.16 inch; at 23 stations in the minor basins, 0.85 inch. The greatest monthly fall was 6.56 inches, at Marlette Lake; the least, a trace, at Imlay. The average number of days with precipitation was 5.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric pressure (sea level). Mean.	Highest.	Lowest.	Mean relative humidity. 8 a.m.	8 p.m.	Wind. Average hourly velocity.	Max. velocity. Miles per hour.	Direction.	Date.
Reno	30.11	30.68	29.19	81	57	7.1	46	w.	26
Winnemucca	30.16	30.87	29.13	83	65	9.1	42	sw.	[illegible]
Tonopah	30.12	30.73	29.32	71	56	9.9	45	se.	21

SUNSHINE AND CLOUDINESS.

At Reno, 63 per cent of the possible sunshine was recorded; at Winnemucca, 51 per cent; at Tonopah, 76 per cent. For the State, the average number of clear days was 12; partly cloudy, 6; cloudy, 10.

MISCELLANEOUS PHENOMENA.

(Dates of.)

Brisk winds.—14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26.
Solar halos.—7, 18.
Lunar halos.—1, 11, 26.
Fog.—3, 4, 5, 6, 7, 8, 9, 10, 11, 18.
Sleet.—19, 20, 21, 24, 25, 26.

COMPARATIVE DATA FOR FEBRUARY.

Year.	Temperature. Mean.	Highest.	Lowest.	Average precipitation.	Average snowfall.	Number of days. With precipitation.	Clear.	Partly cloudy.	Cloudy.	Prevailing wind.
1890	30.7	88	−41	1.55	15.8	6	10	8	10	s.
1891	30.5	66	−19	2.39	10.4	8	8	8	12	s.
1892	33.4	65	−18	0.95	8.8	4	11	8	10	s.
1893	29.0	69	−40	1.43	13.8	5	10	7	11	w.
1894	25.7	71	−41	1.92	19.3	6	11	7	10	sw.
1895	31.1	77	−35	1.23	11.1	4	13	6	9	n.
1896	35.4	86	−12	0.02	1.1	2	13	10	6	w.
1897	29.6	67	−22	2.09	14.3	8	8	7	13	sw.
1898	36.9	79	2	0.29	1.5	2	12	10	6	w.
1899	33.3	73	−27	0.55	4.7	4	13	7	8	w.
1900	35.3	76	−12	0.51	2.6	4	11	6	11	sw.
1901	31.6	77	−27	2.61	14.0	8	7	5	16	sw.
1902	36.4	75	−16	1.42	10.6	6	7	9	12	sw.
1903	20.7	86	−32	0.56	5.9	3	17	5	6	n.
1904	35.9	73	−15	2.48	8.6	7	9	7	13	sw.
1905	37.8	80	−37	1.13	8.1	4	14	6	8	n.
1906	36.4	69	2	1.03	4.4	5	10	6	12	sw.
1907	41.9	78	9	1.28	1.7	4	11	7	10	n.
1908	34.6	79	−10	1.07	9.0	4	12	9	8	s.
1909	33.5	73	7	1.03	7.5	5	9	9	10	sw.
1910	30.6	79	−27	0.37	4.4	2	11	9	8	sw.
1911	27.8	67	26	1.12	11.2	5	12	7	9	s.
1912	36.3	79	3	0.26	0.6	2	11	10	8	w.
1913	31.8	74	−20	0.41	5.4	3	14	7	7	w
1914	35.5	79	−16	0.87	3.8	5	15	6	7	w.
1915	36.5	70	−5	1.38	10.5	7	7	8	13	sw.
1916	36.8	80	−25	0.89	7.2	5	14	6	9	w.
1917	30.5	75	−34	1.01	9.2	5	12	6	10	sw.
Entire period	33.1	88	−41	1.14	8.1	5	11	7	10	sw.

CORRECTIONS.

January, 1917.—Page 4, Winnemucca, number of partly cloudy days should be 7, cloudy 8.

LATE REPORTS.

December, 1916.—Clover Valley, mean temperature, 25.2°; highest, 54°, on the 18th; lowest, −15°, on the 30th; total precipitation, 1.96 inches; number of days with precipitation, 7; clear, 6; partly cloudy, 11, cloudy, 14.

January, 1917.—Clover Valley, total snowfall, 3.1 inches. Lamoille, (8 days missing), mean temperature, 19.4°; highest, 46°; lowest, −14°. North Fork, total precipitation, 0.21 inch; total snowfall, 4.5 inches; number of days with precipitation, 2; clear, 19; partly cloudy, 5; cloudy, 7. Lida, mean temperature, 24.2°; highest, 49°, on the 11th; lowest, −6°, on the 18th; total precipitation, 0.14 inch; number of days with precipitation, 1; clear, 28; partly cloudy, 3; cloudy, 0.

Climatological data for February, 1917.

				Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days.					
Stations.	Counties.	Elevation, feet.	Length of record, years.	Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.	Prevailing direction of the wind.	Observers.
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	4	14.5		39	9	25	1	40	4	1.40		0.47	26.0	10	17	10	1	n.	U. S. Forest Service.
Jack Creek **	do	6,300									4										C. E. Butler.
Mahoney Ran. Sta. **	do	6,200	2	26.3		55	4	7	1	48	2	1.55		0.20	27.0	11					U. S. Forest Service.
Owyhee	do	5,400	6	23.5^{d}		48^{d}	24	8^{d}	1	42^{d}	6	1.55		0.50	14.0	9	6	8	14		E. A. Schwab.
San Jacinto	do	5,200	12	23.6	5.2	46	†24	−34	1	57	12	0.60	+0.06	0.18	10.0	7	10	7	11	n.	Utah Construction Co.
Humboldt Basin.																					
Arthur	Elko	6,500									7	2.35	+1.06	1.39	22.8	6	14	6	8		Isaac Woodhouse.
Austin	Lander	6,594	28	30.5	+1.0	51	4	−2	1	41	28	1.04	−0.30	0.67	10.8	7	18	7	3		Forest Service.
Battle Mountain	do	4,513	46								48										Southern Pacific Co.
Beowawe	Eureka	4,695	46	27.0	−4.1	54	24	−22	1	51	48	0.12	−0.59	0.12	2.0	1	12	0	16		Do.
Clover Valley **	Elko	6,000	16	26.1	−2.9	49	†4	−15	1	42	24	2.14	−0.03	0.90	17.9	9	7	13	8		I. F. Wiseman.
Elko	do	5,063	46	27.8	−0.9	52	27	−30	1	45	47	1.30	+0.09	1.00	9.0	4	12	1	15	sw.	Western Pacific Co.
Eureka	Eureka	6,837	19	29.2	−0.5	54	10	−10	1	40	21	1.28	+0.18	1.00	25.0	7	10	7	11	n.	Clay Simms.
Golconda	Humboldt	4,392	38	29.0	−4.7	56	24	4	1	35	40	0.06	−0.51	0.06	1.0	1	6	17	5		Southern Pacific Co.
Hylton **	Elko	7,081									7	1.71		0.93	16.0	6	15	5	8		Chas. Toyne, sr.
Imlay §	Humboldt	4,209	4	28.6	5.9	58	24	−8	1	42	4	T.	−0.55	T.	0	0	11	0	17		Southern Pacific Co.
Lamoille	Elko	6,100	2								2										Elko-Lamoille Power Co.
Lovelock	Humboldt	3,977	23	29.6	−6.3	58	24	−4^{d}	1	36^{d}	21	0.17	−0.24	0.07	2.5	4	16	3	9		John R. Montgomery.
Metropolis §	Elko	5,661	4	20.0		42	†4	−25	1	39	8	0.35	−0.67	0.19	6.0	3	17	1	10		L. F. Hatch.
North Fork	do	6,500									8	0.78		0.60	2.0	3	21	4	3	s.	Chas. Pratt.
Paradise Valley	Humboldt	4,500	4	23.4		45	24	−17	1	38	8	0.83		0.23	10.6	10	10	3	15	sw.	R. M. Taylor.
Potts	Nye	6,002	24	24.8	−2.3	45	†5	−15	1	55	26	1.35	+0.69	0.72	22.5	4	10	5	13	s.	Miss Maud Potts.
Tecoma	Elko	4,812	39	26.4	−0.3	50	25	−15	1	40	41	0.84	+0.29	0.36	14.0	5	4	16	8		Southern Pacific Co.
Winnemucca	Humboldt	4,344	40	28.9	−4.4	56	24	−12	1	35	48	0.20	−0.73	0.07	1.6	7	10	3	15	sw.	U. S. Weather Bureau.
Truckee Basin.																					
Franktown §	Washoe	5,054	2								2										Agent V. & T. Ry.
Marlette Lake **	do	7,900	2	22.7		48	4	−5	1	42	4	6.56		1.26	66.0	12	14	2	12	sw.	V. & G. H. Water Co.
Reno	do	4,532	30	33.6	−2.0	54	15	1	18	38	30	2.01	+0.22	0.86	8.0	8	10	7	11	w.	U. S. Weather Bureau.
Bijou, Cal.		6,230	2	23.0		57	8	−16	†1	63	8	5.57		1.50	47.5	10	5	10	13	w.	Chas. Young.
McKinney, Cal. **		6,225									8	12.08		2.53	79.5	12	15	3	10	e.	Henry Soll.
Tahoe, Cal.		6,230	9	27.2		48	7	−1	1	39	9	11.98		2.63	98.0	12	12	2	14	w.	Mrs. Emma C. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	23	30.2	−5.9	60	24	−2	1	33	23	0.77	+0.27	0.66	6.3	4	9	3	16	ne.	U.S. Experiment Station.
Gardnerville	Douglas	4,830	26	33.1^{f}	−2.9	54^{f}	23	5^{f}	19	40^{f}	27	1.54	0.00	0.40	2.0	6				w.	Forest Service.
Lahontan **	Churchill	4,200	5	32.0		56	24	4	1	29	7	0.90		0.28	6.0	5	10	6	12	nw.	U.S. Reclamat'n Service.
Markleeville, Cal.		5,525									8	4.51		1.67	23.5	9	15	3	10	s.	Mrs. Mary Thornburg.
Woodfords, Cal. **		5,634									8	3.33		1.05	42.0	8	13	1	14	sw.	Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	10	35.2	−3.9	61	24	8	1	43	21	0.67	+0.39	0.67	5.0	1	21	0	7		Southern Pacific Co.
Smith	Lyon	4,800									9	1.91		0.75	5.0	6	15	2	11	n.	C. M. Carter.
Thorne §	Mineral	4,200	4								4										Southern Pacific Co.
Yerington §	Lyon	4,375	8	33.2	−3.6	57	24	6	1	39	8	0.70	+0.23	0.30	6.5	3	19	0	9	sw.	W. F. Powers.
Bridgeport, Cal.		6,500	4	21.0		45	11	−14	28	40	6	2.42		1.13	24.0	6	11	7	10	ne.	Geo. Delury, jr.
Shields Ranch, Cal. **		5,300									8	3.17		0.90	10.8	8	13	7	8		Bruce H. Chichester.
Colorado Basin.																					
Indian Springs §**	Clark	3,136	4	45.2		69	24	22	†17	38	1	0.28		0.28	0	1					Ira McFarland.
Las Vegas	do	2,033	15	49.7	+4.5	75	24	19	1	40	15	0.10	−0.44	0.10	0	1	14	11	3	s.	C. P. Squires.
Logan §	do	1,355	10	48.6	−0.2	73	†24	19	2	44	18	0.10	−0.54	0.10	0	1	14	7	7		Experiment Farm.
Mt. Charleston **	do	9,000									2										E. W. Griffith.
Pioche	Lincoln	6,100	19								19										M. L. Lee.
Minor Basins.																					
Belmont	Nye	8,540	17								17										Monitor-Belmont M. Co.
Cherry Creek	White Pine	6,450	9	24.6		45	†3	−21	1	41	9	0.47		0.45	9.5	2	10	8	10	w.	L. F. Howard.
Duck Flat **	Washoe	4,725									3	1.98		0.70	5.0	6	14	5	9	ne.	H. J. Muller.
Francis (near)	do	5,350									3	1.61		0.74	10.5	7	16	3	9	ne.	Geo. W. Barnard.
Gerlach	do	3,931	5	27.8		52	24	0	1	30	5	0.19		0.12	3.2	3	7	0	21	sw.	Western Pacific Co.
Goldfield	Esmeralda	5,700	10	34.0	−2.4	54	8	4	1	36	12	0.95	+0.01	0.39	5.0	5	15	7	6	s.	R. W. Robinson.
Hamilton	White Pine	7,800	11					4	†2		16	1.74	−0.55	1.08	29.0	5	14	12	2	s.	Carl F. Muir.
Jungo	Humboldt	4,165									4	0.11		0.11	1.0	1	6	11	11	sw.	Western Pacific Co.
Lida §	Esmeralda	6,037	5	33.4^{d}	+0.8	58	5	1	19	40	5	1.80	+1.13	0.78	7.0	3				nw.	L. F. Detwiler.
McDermitt	Humboldt	4,700	6	25.4	−5.3	46	†4	−8	2	41	30	1.30	−0.05	0.60	14.0	8	14	7	7	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	7	29.5	+1.0	53	9	−9	1	41	7	0.60	−0.43	0.20	7.5	6	13	9	6	n.	R. E. Middagh.
Millett	Nye	5,040	9	29.0		53	24	−6	1	44	10	0.40		0.15	8.0	5	12	5	11		Fred J. Jones.
Oak Springs **	do	5,900									1	0.15		0.09	1.7	3	14	0	14		Mrs. R. E. Bower.
Oasis Ranch §**	Esmeralda	5,106	5	34.9	0.0	58	9	12	7	41	5	0.09	−0.58	0.08	T.	2	18	1	9		Arthur L. Stewart.
Pahrump	Nye	2,608	4	44.2		65	†1	19	†26	45	4	0.13		0.13	0	1	18	2	8	s.	F. M. Buol.
Quinn Riv. Ranch **	Humboldt	4,850	15	24.5	−5.6	45	6	−12	1	43	16	0.82	+0.18	0.39		7	10	4	14	sw.	F. M. Payne.
Rebel Creek	do	4,300	5	28.0		48	24	−7	1	34	6	0.58		0.12	3.5	7	8	8	12	sw.	Fred Whitaker.
Rhyolite	Nye	3,680	4	43.1		65	5	18	1	34	4	0.09		0.07	0	2	14	7	7		Secretary School Board.
Sand Pass **	Washoe	4,198	4	28.6		50	24	0	1	33	4	1.58		0.80	1.0	6	10	5	13	ne.	R. R. Mott.
Searchlight	Clark	3,445	4	46.1		66	25	21	1	25	4	0.26		0.22	0	2	17	5	6	s.	C. L. Aug. Mahn.
Sharp	Nye	6,200	4	30.0		50	†5	−6	1	36	4	1.89		1.05	14.0	5	15	3	10	w.	F. A. Sears.
Sulphur	Humboldt	4,044	4	25.3		55	24	−14	1	33	4	0.22		0.15	T.	2	5	12	11	sw.	Western Pacific Co.
Tonopah	Nye	6,090	12	32.2		49	21	9	1	21	12	0.42		0.38	3.9	3	17	8	3	se.	U. S. Weather Bureau.
Vya	Washoe	5,500									4	2.20		0.80	17.5	7	21	1	6	w.	L. A. Mariette.
For the State				30.5	−2.5	75	24	−34	1	57		1.01	−0.03	1.39	9.2	5	12	6	10	sw.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Jack Creek, Tuscarora; of Mahoney Ranger Station, Jarbridge; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of McKinney, Hellman's, Lake Tahoe, Cal.; of Lahontan, Hazen; of Woodfords, Cal., Sheridan, Nev.; of Shield's Ranch, Coleville, Cal.; of Indian Springs, Las Vegas; of Mt. Charleston, Las Vegas; of Duck Flat, Sunkist; of Oak Springs, Las Vegas; of Oasis Ranch, Oasis, Cal.; of Quinn River Ranch, Amos; of Sand Pass, Sheepshead.

Reference letters, a, b, c, appearing in the table indicate number of days missing, for example, b represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for February, 1917.

Stations.	Day of month																															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia Basin.																																
Gold Creek (near)											.10	.15					.30	.10	.10	.17	.10	.04	.02	.02								1.10
Jack Creek																																
Mahoney Ranger Station |||												.12				.15	.15	.12	.16	.18	.16	.16	T	T	.20	.12	T	.03				1.55
Owyhee												.12				.10		.25	.07	.29		.50	.07		.08	.07						1.55
San Jacinto																T	.18		*	*	.24	.12			.02	.06		T				0.62
Humboldt Basin.																																
Arthur																*	.12	.39	T	.14	T	1.29			.31							2.25
Austin												.04	.05			.03	.67	.10	T	.05	T						.10					1.04
Battle Mountain																																
Beowawe												T.					.12															0.12
Clover Valley												.12				T	.24	.06	.06	.12	.06	.52	.06		.90							2.14
Elko											T						*	*	.30			1.00				T						1.30
Eureka												.05	T			*	1.00		.10	.09					.01	.03						1.28
Golconda																.06																0.06
Hylton												.03				*	1.20			.23		.16				.09						1.71
Imlay																T.																T.
Lamoille |||																																
Lovelock																T	.07		.04	.01							.05					0.17
Metropolis |||																			*	*	.35				T	T						0.35
North Fork																							.60	.08		.10						0.78
Paradise Valley												.01			.01			.02	.14	.05	.14	.23	T	.07	.08	.08						0.83
Potts													.09		T.	T	.72		T.	.48	.06	T	T									1.35
Tecoma																	*	.18		*	.30		.36									0.81
Winnemucca***												.02				.07	T	.03	.01	.01	.02	T		T	T	.01						0.20
Truckee Basin.																																
Franktown																																
Marlette Lake |||												T	.09				.39	.08	.52	.58	1.26	.92	.30	.84	1.23	.17	.18					6.56
Reno***													T.			.53	.04	T	.02	.05	.36	.08	T	.74	.19	T.	T.	T				2.01
Bijou, Cal.													.07				.10	.05	.47	.60	1.20	.70	.23	1.50	.65							5.57
McKinney, Cal.											T.	.17				.13	.27	.42	.78	1.03	2.01	2.34	.93	2.53	1.29	.18						12.08
Tahoe, Cal.|||													.03				.44	.06	.71	1.18	2.55	1.07	.49	2.63	2.54	.19	.09					11.98
Carson Basin.																																
Fallon|||																	.66				.03	.01					.07					0.77
Gardnerville																	.12			.18	.40	.24	.31			.29		T				1.54
Lahontan																	.28				.22	.16		.10			.14					0.90
Markleeville, Cal.											T.					.13	.16	.14	.20	.48	1.13		1.67	.48	.12							4.51
Woodfords, Cal.												T.				.06			.16	.20	1.05	.60	.06	1.00	.20			T.				3.33
Walker Basin.																																
Mina																	.67															0.67
Smith																	.41	T.	T.	.10	.75	.45	.12	T	.08			T				1.91
Thorne																																
Yerington																T.	.30			.10		.30			T.							0.70
Bridgeport, Cal.												.05					T.		T.	1.13	.44	.40		.30	.15							2.42
Shields Ranch, Cal.													.09			T.	.25	.05		.90	.85	.58	T	.30	.15							3.17
Colorado Basin.																																
Indian Springs |||																			.28													0.28
Las Vegas																	.10															0.10
Logan																	.10															0.10
Mt. Charleston																																
Pioche																																
Minor Basins.																																
Belmont |||																																
Cherry Creek													T.				.45			.02												0.47
Duck Flat																.03			.15	.18	.55			.70	.37							1.98
Francis (near)																.10	.12		.03	T.	.30	.32		.42	.32	T.						1.61
Gerlach																			.06	.01		.12										0.19
Goldfield													T.				.35	.16			.03	.02			.39							0.95
Hamilton																	1.08	.18		.12	.12	.24										1.74
Jungo															T.			.11		T.	T	T.			T.							0.11
Lida																	.68			.34				.78								1.80
McDermitt																	.09		.10	.60	.15	.14	.05	.15		.02						1.30
McGill													.06				*	.40	.08	.04	.02			T.								0.60
Millett																*	.15				.14	.05		.06								0.40
Oak Springs																	.02	.09	T	T.	T.				.04							0.15
Oasis Ranch																	T.				T.			.01	.08							0.09
Pahrump											.13																					0.13
Quinn River Ranch																				.10	.09	.39	.02	.12	.08	.02						0.82
Rebel Creek																			.09		.06	.12		.10	.08	.08	.05					0.58
Rhyolite													.02					.07														0.09
Sand Pass																.15	T.		.08	T.	.25	.80		.13	.17		T.					1.58
Searchlight																	.22								.04							0.26
Sharp																	.48	.12		.12		.12	1.05									1.89
Sulphur																.15		T.		T.	T.	.07		T.		T.						0.22
Tonopah***																.10	.28	.04			T.				T.							0.42
Vya |||									.16							.80	.48			.24	.16	.28	.08									2.20

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. ||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

Daily Evaporation (inches) and Wind Movement (miles) for February, 1917.

(See temperature and precipitation data in Climatological Tables, pages 12 to 14.)

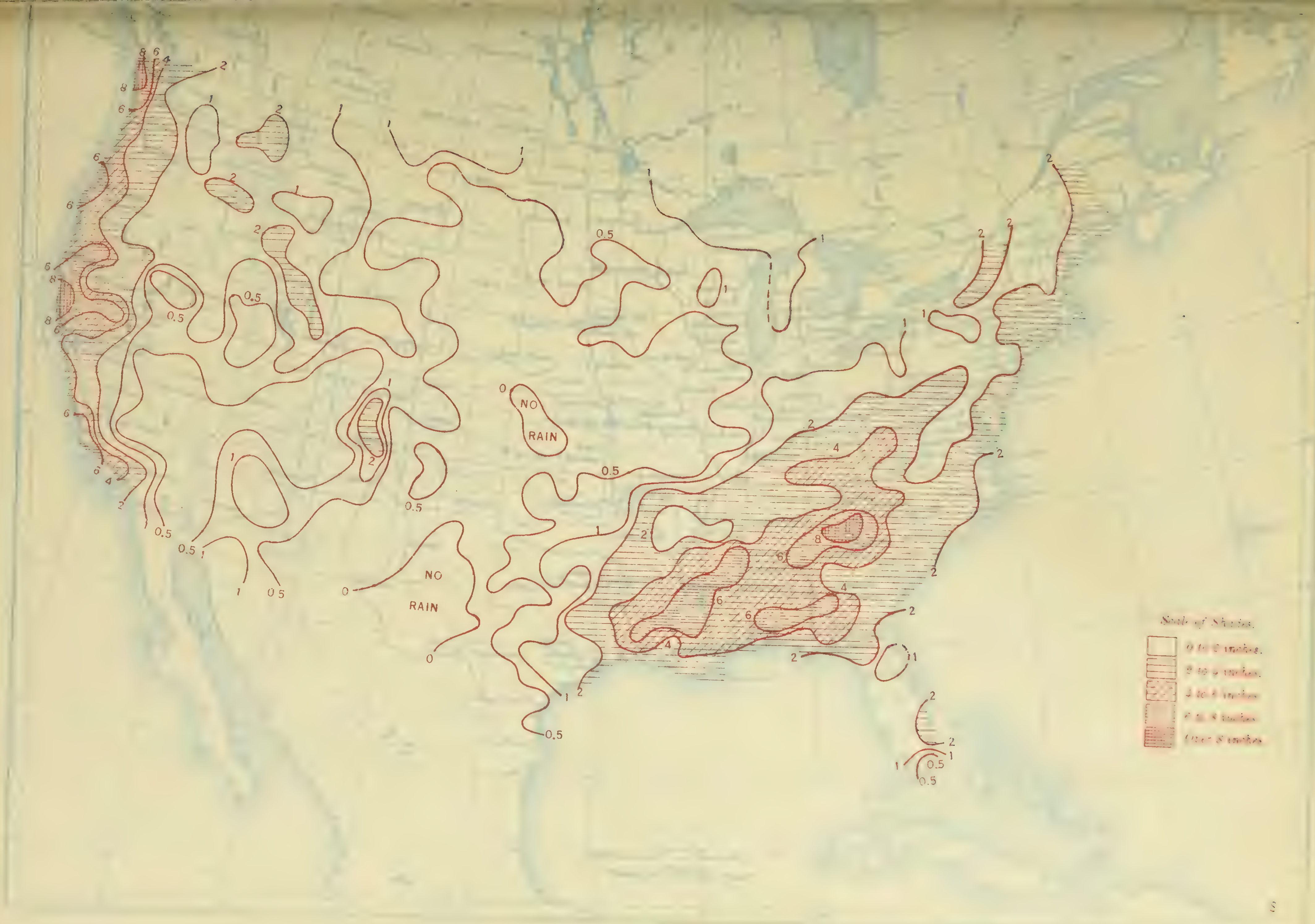
Station.	Data.	Day of month.																														Monthly.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Indian Springs*	Evaporation																																
	Wind movement																																
Lamoille*	Evaporation																																
	Wind movement																																
Marlette Lake.*	Evaporation																																
	Wind movement																																
Tahoe, Cal.**	Evaporation		.050	.025	.015	.000	.045	.075	.050		.075	.025	.040		.035	.045	.090																
	Wind movement	47	63	61	36	62	57	78	32	58	49	29	60	100	137	126	103	‡	‡	‡	‡	‡	‡	‡	‡	‡	576	29	71				1,774

* Observations taken at 7 a. m.; ** at 8 a. m. ‡ Included in next following entry.

Daily temperatures for February, 1917.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek (near)	Maximum	8	16	24	28	34	32	37	37	39	26	32	30	26	26	26	24	29	15	25	16	30	37	26	36	36	10	15	18				26.4
	Minimum	25	9	12	6	7	16	4	0	-1	0	12	10	13	0	2	1	14	6	-5	10	12	20	20	25	4	-14	-10	-12				2.6
Owyhee	Maximum	14	38	15	39	15	40	34	33	35	35	40	42	33	38	42	38	33	35	31	33	41	44	34	48								37.1
	Minimum	8	0	21	1	9	21	0	7	6	2	3	18	19	1	0	19	10	13	15	20	18	22	23	30								9.9
San Jacinto	Maximum	23	37	12	45	42	45	44	44	43	40	44	38	32	39	44	40	33	28	30	33	41	39	38	46	46	37	27	25				38.0
	Minimum	34	-12	4	0	13	21	-1	5	-4	-2	3	8	25	5	-1	18	20	14	14	19	11	25	18	24	32	22	13	12				9.1
Humboldt Basin.																																	
Austin	Maximum	39	48	49	51	50	40	42	49	50	50	48	42	33	38	41	38	36	30	33	33	44	42	45	50	46	35	32	32				41.6
	Minimum	2	15	21	21	25	20	15	20	24	22	25	24	16	19	13	17	17	8	16	21	23	32	24	35	24	19	19	9				19.4
Battle Mountain	Maximum																																
	Minimum																																
Elko	Maximum	15	29	42	42	40	44	42	38	37	35	39	35	39	39	37	36	35	36	36	30	40	39	45	41	37	33	52	35				37.5
	Minimum	30	-5	17	25	24	24	25	25	5	15	29	29	12	25	25	24	26	14	12	10	21	30	25	32	25	23	18	11				18.2
Eureka	Maximum	30	47	49	50	50	48	47	51	53	54	45	43	32	36	38	40	33	31	28	33	39	41	43	45	47	39	34	33				41.4
	Minimum	10	7	17	19	20	22	12	15	18	20	22	25	21	15	7	15	18	0	14	21	22	30	30	30	31	15	15	4				17.0
Imlay	Maximum	25	36	39	41	42	45	40	37	30	34	33	39	42	40	41	48	36	32	36	43	48	48	48	58	48	42	40	35				40.1
	Minimum	8	-6	5	12	13	11	10	10	11	12	11	14	21	15	16	15	22	20	22	25	30	34	30	34	33	30	23	18				17.2
Lamoille	Maximum																																
	Minimum																																
Paradise Valley	Maximum	20	32	39	37	39	42	38	39	31	35	35	39	37	40	40	36	38	29	29	34	38	38	37	45	42	30	32	30				35.8
	Minimum	-17	-3	2	4	6	6	5	1	2	4	12	12	10	10	15	20	17	16	20	22	16	15	30	32	30	22	-6	3				10.9
Tecoma	Maximum	22	22	40	42	45	40	42	41	40	42	40	41	39	41	45	44	45	43	40	44	45	40	40	45	50	48	42	35				41.0
	Minimum	-15	8	10	12	5	12	15	16	12	15	14	13	12	16	10	15	17	8	0	11	14	8	5	26	32	30	16	10				11.8
Winnemucca	Maximum	22	35	40	42	42	41	39	43	26	29	36	36	42	43	44	42	32	30	36	41	47	44	44	56	49	39	36	32				38.9
	Minimum	12	7	5	10	13	11	11	10	13	13	16	26	26	21	18	25	23	21	23	28	29	31	32	39	32	25	17	17				18.9
Truckee Basin.																																	
Franktown	Maximum																																
	Minimum																																
Marlette Lake	Maximum	34	39	46	48	41	34	43	43	39	40	31	37	24	29	30	32	22	25	24	25	26	25	28	30	30	24	35	37				32.9
	Minimum	-5	-3	20	10	11	18	4	4	9	8	11	14	13	17	19	16	11	4	8	16	21	23	23	24	25	14	13	3				12.5
Reno	Maximum	32	50	51	50	51	50	46	40	43	43	38	49	48	50	54	50	32	27	39	40	45	44	48	50	46	39	40	35				43.9
	Minimum	8	12	19	20	23	22	22	21	23	23	26	25	27	22	22	27	11	1	22	32	34	34	36	37	31	30	24	18				23.3
Tahoe, Cal.	Maximum	38	41	45	44	45	48	43	46	46	45	40	45	35	42	47	38	26	25	30	32	32	33	33	34	28	30	31	32				37.6
	Minimum	-1	10	14	16	18	15	13	15	16	15	17	22	15	15	14	18	19	5	18	21	25	26	26	30	25	25	13	9				16.9
Carson Basin.																																	
Fallon §§	Maximum	24	32	37	39	42	40	35	30	28	27	29	36	42	43	45	15	32	32	41	44	49	52	55	60	51	46	39	38				39.8
	Minimum	-2	2	8	10	14	16	17	19	23	21	20	22	23	20	20	24	24	0	8	31	32	34	35	43	41	26	26	18				20.5
Gardnerville	Maximum	35	47	48		51	48	43	47	49	45			52	48	50	47	48		45	43	45		54	49		50	44	37				46.6
	Minimum	10	10	15		16	17	16	15	16	18			21	17	16	20	22		5	29	34		32	35		30	22	16				19.6
Lahontan	Maximum	27	35	39	41	42	41	38	33	29	28	30	41	41	46	49	47	35	33	43	42	45	48	55	56	48	45	38	36				40.5
	Minimum	4	6	13	16	21	21	22	20	25	24	23	25	26	25	24	28	23	10	18	31	33	34	36	41	36	28	26	21				23.6
Walker Basin.																																	
Mina	Maximum	36	47	52	53	56	48	52	54	51	17	50	51	46	46	48	46	42	36	42	46	57	55	60	61	53	50	50	41				49.1
	Minimum	8	20	12	12	13	22	13	12	12	22	13	25	29	22	23	24	22	16	21	31	32	32	32	36	37	18	23	16				21.4
Yerington	Maximum	33	48	51	49	50	47	47	48	17	41	38	49	45	16	48	48	47	33	44	47	46	47	55	57	53	47	40	38				46.0
	Minimum	6	11	12	12	15	16	12	12	14	22	23	19	24	15	16	20	23	8	13	31	34	35	32	39	35	32	25	14				20.4
Bridgeport, Cal.	Maximum	24	38	30	37	41	37	34	35	36	38	15	36	29	36	35	35	21	25	27	30	33	30	35	35	26	28	25	26				32.4
	Minimum	-5	1	1	1	4	3	-3	0	0	5	15	13	23	6	5	10	17	3	18	24	28	25	26	25	24	17	-4	-14				9.6
Colorado Basin.																																	
Indian Springs	Maximum	56	58	60	62	65	60	62	60	64	63	65	67	68	68	67	54	56	56	59	58	60	63	66	69	65	57	54	55				61.3
	Minimum	26	21	25	27	31	32	25	26	28	29	29	33	32	30	31	30	22	25	28	30	34	33	32	35	38	32	28	22				29.2
Las Vegas	Maximum	50	55	65	71	69	67	67	67	66	68	62	70	64	64	64	64	52	51	57	64	66	68	67	75	72	74	70	70				65.0
	Minimum	19	24	25	31	32	34	30	27	29	29	27	32	33	39	32	28	38	34	40	42	45	45	50	44	44	40	35	35				34.4
Logan	Maximum	49	54	65	67	66	66	66	64	65	67	62	69	68	62	61	58	53	54	59	61	58	71	69	73	73	66	66	60				63.3
	Minimum	22	19	23	28	29	34	31	30	27	23	28	33	33	32	37	27	38	34	33	45	50	47	43	51	51	37	31	50				33.8
Pioche	Maximum																																
	Minimum																																
Minor Basins.																																	
Cherry Creek	Maximum	17	40	45	40	39	39	35	40	39	40	39	39	34	29	35	34	32	23	25	35	36	40	40	45	15	37	31	28				35.8
	Minimum	-21	0	9	3	9	9	5	-1	9	9	9	22	24	11	7	13	14	4	6	25	27	35	30	36	35	19	12	12				13.3
Gerlach	Maximum	18	30	32	33	32	32	28	29	29	28	30	41	39	41	41	41	47	32	36	40	45	42	45	52	49	40	37	35				36.6
	Minimum	0	3	5	5	8	11	16	17	19	18	19	17	20	11	14	19	26	24	22	28	32	30	31	34	25	31	28	21				19.1
Goldfield	Maximum	32	43	50	51	50	42	50	54	51	52	47	50	43	43	44	51	42	35	35	44	43	51	48	52	51	49	41	39				45.8
	Minimum	4	13	19	21	22	21	16	18	20	21	26	32	26	21	21	20	24	14	16	27	31	32	31	36	37	19	19	14				22.2
McDermitt	Maximum	26	28	45	46	45	46	39	40	36	34	39	45	41	46	41	44	33	28	34	31	41	40	36	42	42	32	35	30				38.0
	Minimum	-5	-8	9	5	11	15	4	12	2	3	8	23	26	13	15	12	13	8	21	10	15	23	21	30	28	24	11	12				12.9
McGill	Maximum	25	45	44	43	52	50	41	49	53	51	45	45	38	35	39	38	32	27	28	31	39	40	44	46	47	41	33	30				40.4
	Minimum	-9	8	13	16	11	25	12	14	20	20	18	28	24	17	16	14	18	12	9	23	29	32	29	35	36	20	20	11				18.6
Millett	Maximum	26	40	48	48	50	42	43	49	50	50	49	47	40	42	44	39	35	27	31	35	40	49	48	53	51	43	36	35				42.5
	Minimum	-6	0	4	7	9	20	6	7	7	7	12	20	23	16	12	12	20	11	9	26	30	32	31	36	35	15	21	11				15.5
Oasis Ranch	Maximum	34	42	48	53	50	48	48	49	58	50	49	47	42	44	48	54	44	38	39	42	50	54	51	54	49	48	47	41				47.2
	Minimum	14	13	15	19	14	25	12	17	17	18	25	24	22	27	22	33	27	17	18	30	31	32	31	39	34	20	20	18				22.6
Rebel Creek	Maximum	24	28	43	47	45	46	45	38	30	31	14	40	43	41	45	37	36	32	32	35	40	40	40	48	47	34	33	32				38.4
	Minimum	-7	6	9	15	14	13	15	10	9	6	22	26	18	15	22	17	19	20	22	26	24	27	30	36	30	25	13	14				17.7
Rhyolite	Maximum	49	53	60	64	65	64	59	62	63	60	53	59	54	49	54	52	48	38	47	57	54	55	53	57	55	54	59	55				55.4
	Minimum	18	22	35	34	34	38	31	30	29	28	30	31	32	33	35	34	32	25	24	31	31	31	33	40	30	29	35	26				30.8
Sand Pass	Maximum	23	29	30	33	36	38	33	39	27	25	31	43	42	42	44	42	38	36	36	42	46	43	47	50	17	42	38	36				37.8
	Minimum	0	6	9	9	10	5	10	15	20	18	21	19	20	15	16	22	25	23	18	30	29	33	34	39	34	31	20	15				19.5
Searchlight	Maximum	40	46	59	59	61	56	58	59	62	64	62	62	60	54	53	52	50	46	49	52	52	60	62	62	66	57	56	50				56.0
	Minimum	21	29	36	40	45	41	38	36	38	39	37	43	42	36	33	36	32	28	30	30	35	40	40	42	45	37	35	31				36.2
Sharp	Maximum	26	39	43	49	50	42	16	48	50	46	44	45	37	37	38	39	36	30	32	37	38	46	46	50	46	45	37	34				41.3
	Minimum	-6	6	19	15	19	26	22	12	18	18	22	21	18	21	22	16	23	5	14	21	23	31	29	32	34	20	15	7				18.7
Sulphur	Maximum	14	27	28	30	35	30	25	25	25	24	27	36	38	40	41	41	34	30	35	37	44	42	45	55	49	40	36	32				34.5
	Minimum	-14	-6	3	3	3	6	6	10	12	15	17	19	15	9	12	13	21	24	22	30	30	29	34	33	33	31	23	18				16.1
Tonopah	Maximum	28	37	43	48	43	37	45	48	45	45	44	42	36	36	40	41	33	28	32	41	40	47	45	49	46	40	34	32				40.2
	Minimum	9	18	30	31	29	23	24	29	30	29	30	30	24	21	19	25	15	12	13	23	29	31	29	34	29	24	19	15				24.1

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
NO RAIN
NO RAIN
0.5
1
2
4
6
8

Snowfall in the elevated regions of Nevada Section, February, 1917.

February was an unusually cold month in all districts. The first half was generally fine, and minimum temperatures below zero occurred on one or more days, but the latter half was stormy and very wet. In some parts of the Sierra Nevada Mountains snow fell daily for periods ranging from seven to more than ten days. At the close of the month the snow cover was deeper than usual in the Truckee and Carson watersheds, and in the Eureka and Hylton sections of the Humboldt watershed.

In the Truckee Basin, the amount of snow recorded was from 48 to 98 inches, which is about 192 per cent of the normal. The depth of the snow cover on the last day ranged from 37 inches at Bijou to 106 inches at Marlette Lake, and was from 7 to 39 inches thicker than usual. By the "accumulative snowfall" method of reckoning, the current season's snowfall is about 77 per cent of the normal; this is about 30 per cent more than at the close of January.

In the Carson Basin two stations gave an average fall of 33 inches, which is 138 per cent of the normal, and at the close of the month the snow cover was from 6 to 11 inches thicker than usual. The water supply situation has improved.

In the Walker Basin, three stations gave a mean of 13 inches, which is about 7 per cent below normal. On the last day, only one station, Bridgeport, Cal., reported snow on the ground; the depth was 12 inches.

In the Humboldt Basin, the fall ranged from less than 2 inches at Winnemucca to 25 inches at Eureka. The average for the whole basin was about 125 per cent of the normal. The amount of snow on the ground on the last day was above normal at two stations, and below normal at four.

Lake Tahoe has risen about one-half foot, and, on February 28, 1917, had reached a level of 6228.35 feet on the gage at Tahoe; this is about three-tenths foot above its level of February 29th a year ago.

Stations.	Counties.	Altitude.	SNOWFALL. (Inches.) Total snowfall.	Amount on ground on 15th of month.	Amount on ground on last day of month.	Depth on last day of month compared with normal.
Truckee Basin.						
Bijou, Cal	Eldorado	6,230	47.5	12	37	+ 7
McKinney, Cal	Placer	6,225	79.5	34	76	+26
Marlette Lake	Douglas	7,900	66.0	44	106	+39
Tahoe, Cal	Placer	6,230	98.0	40	89	+36
Truckee, Cal	Nevada	5,818	......	......	......	......
Carson Basin.						
Markleeville, Cal	Alpine	5,525	23.5	6	9	+ 6
Woodfords, Cal	do	5,634	42.0	0	16	+11
Walker Basin.						
Bridgeport, Cal	Mono	6,500	24.0	0	12	4
Shield's Ranch, Cal	do	5,300	10.8	0	0	0
Smith	Lyon	4,800	5.0	0	0	− 1
Humboldt Basin.						
Arthur	Elko	6,500	22.8	4	4	− 7
Beowawe	Lander	4,695	2.0	0	0	0
Eureka	Eureka	6,837	25.0	2	6	+ 2
Hylton	Elko	7,081	16.0	8	14	+12
Lamoille	do	6,100	......	......	......	......
Metropolis	do	5,661	6.0	6	3	− 1
Millett	Nye	5,040	8.0	0	0	− 2
North Fork	Elko	6,500	2.0	10	10	− 1
Winnemucca	Humboldt	4,344	1.6	0	0	0

NE

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

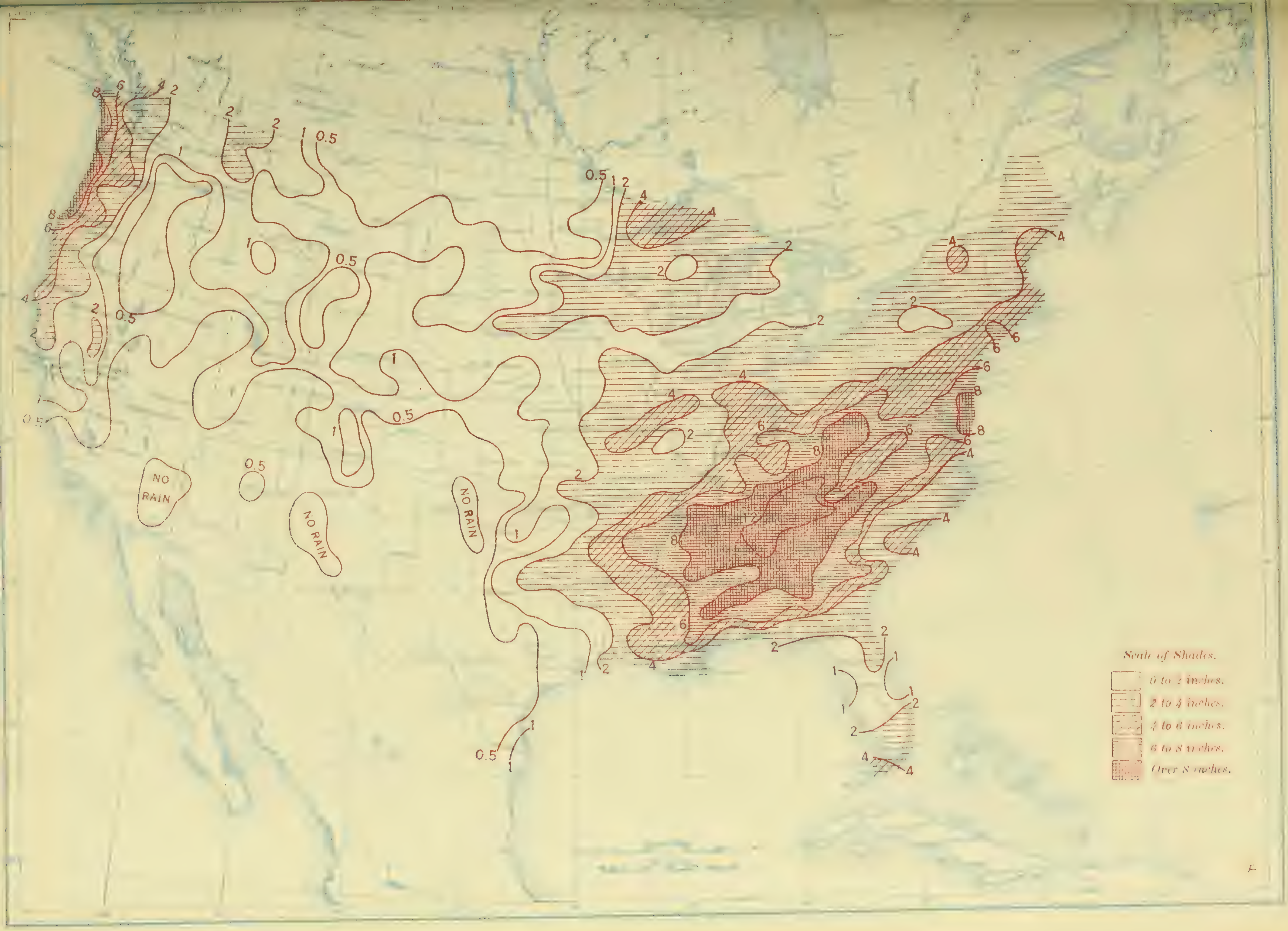
CLIMATOLOGICAL DATA

NEVADA SECTION

MARCH, 1917

BY
HENRY F. ALCIATORE
METEOROLOGIST

RENO, NEV.
WEATHER BUREAU OFFICE
APRIL 19, 1917


NO RAIN
NO RAIN
NO RAIN
NO RAIN
Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALCIATORE, Meteorologist.

VOL. XXXII. RENO, NEVADA, MARCH, 1917. No. 3.

GENERAL SUMMARY.

Considered as a whole, March was an abnormally cold month. The mean temperature was about 12 degrees below that of the corresponding month of 1916, and the lowest recorded in the last 20 years. Zero or lower temperatures occurred at many places between the 15th and 17th. Fairly comfortable temperatures prevailed from the 26th to the 29th. The deficiency in temperature was general, but much more pronounced in the northern than in the southern district.

No precipitation worthy of mention occurred during the first eight days. From the 9th to the 15th the weather was stormy and wet, with rain or snow over large areas. Excepting a light fall of snow on the 21st, and scattered showers on the 29th and 30th, the rest of the month was dry. The average precipitation was considerably less than that of the corresponding month a year ago, and only 48 per cent of the normal. Deficiencies are noted in all districts, and at several stations there was only a trace of precipitation or none at all. In some parts of the Humboldt watershed the snowfall was quite heavy, but the average for the State was below normal. The amount of sunshine received was somewhat deficient in the northern, but much above the normal in the southern district. (A more extended discussion of the snowfall in the mountains of Nevada and eastern California appears on page 24 of this bulletin.)

Mr. Edward C. Paxton, Field Agent for Nevada, says: "Spring has been greatly delayed and all outdoor work on ranches retarded. Except in the south very little plowing and seeding has been done. Fall grain in the northern half of the State is looking strong and healthy. Cattle ranchers who provided only enough hay to feed till March fifteenth found the supply insufficient and stock has been on light rations for twenty days. In some places cattle had to be turned on to the ranges with no feed in sight and a heavy cover of snow on the ground. Range cows have suffered severely and a large per cent of early calves were lost where born on the snow. The feed shortage has been most acute in Elko and Humboldt Counties. Sheep on the desert wintered very well and with the advent of real spring weather no serious losses are to be anticipated. Unremitting war on the coyote has had a telling effect on losses during the winter from predatory animals.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 42 stations, was 33.3°. The mean for the 24 stations having ten or more years' record was 6.5° below normal. The highest recorded was 89°, at Mina on the 29th; the lowest was —14°, at Owyhee on the 12th. The greatest daily range was 63°, at Mina on the 29th. The highest monthly mean was 50.6°, at Logan; the lowest was 19.6°, at Marlette Lake.

PRECIPITATION.

The average for 51 stations reporting was 0.47 inch. For the 28 stations having ten or more years' record, the mean was 0.51 inch below the normal. The average amount at 3 stations in the Columbia Basin was 1.27 inches; at 17 stations in the Humboldt Basin, 0.65 inch; at 5 stations in the Truckee Basin, 2.49 inches; at 5 stations in the Carson Basin, 0.90 inch; at 5 stations in the Walker Basin, 0.33 inch; at 4 stations in the Colorado Basin, 0.34 inch; at 19 stations in the minor basins, 0.20 inch. The greatest monthly fall was 2.06 inches, at Marlette Lake; there was none at 3 stations. The average number of days with precipitation was 3

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric pressure (sea level). Mean	Highest	Lowest	Mean relative humidity. 5 a. m.	5 p. m.	Wind. Average hourly velocity	Max. velocity. Miles per hour	Direc.	Date.
Reno	30.15	30.73	29.56	73	39	7.4	48	sw.	29
Winnemucca	30.15	30.73	29.48	78	48	8.2	43	sw.	29
Tonopah	30.10	30.76	29.52	64	31	10.2	38	nw.	[illegible]

SUNSHINE AND CLOUDINESS.

At Reno, 82 per cent of the possible sunshine was recorded; at Winnemucca, 64 per cent; at Tonopah, 93 per cent. For the State, the average number of clear days was 15; partly cloudy, 7; cloudy, 9.

MISCELLANEOUS PHENOMENA.

(Dates of.)

Brisk winds.—1, 2, 4, 5, 9, 13, 14, 15, 21, 22, 24, 29, 30.
Solar halos.—3, 6, 18, 20, 26, 31.
Lunar halos.—3.
Fog.—2, 11, 12.

COMPARATIVE DATA FOR MARCH.

Year.	Temperature. Mean.	Highest.	Lowest.	Average precipitation.	Average snowfall.	Number of days. With precipitation.	Clear.	Partly cloudy.	Cloudy.	Prevailing wind.
1889	44.1	85	12	1.45	1.7	5	14	8	9	s.
1890	39.0	82	−15	1.71	7.0	6	13	8	10	s.
1891	38.9	78	2	1.55	6.7	6	10	10	11	sw.
1892	40.3	78	2	1.81	12.8	8	9	11	11	w.
1893	35.9	85	21	1.90	15.6	7	8	9	14	s.
1894	38.4	88	−13	1.02	9.1	5	9	4	18	sw.
1895	37.7	80	−23	0.82	5.2	4	14	9	8	w.
1896	39.4	90	−18	1.15	7.1	6	10	9	12	w.
1897	30.9	80	19	1.39	13.3	7	9	9	13	w.
1898	35.0	79	−10	0.63	6.8	4	14	9	8	w.
1899	38.6	79	4	1.83	5.7	7	9	8	14	sw.
1900	44.2	81	3	0.51	3.3	3	17	5	9	sw.
1901	38.9	90	0	0.59	4.8	4	15	7	9	w.
1902	35.2	69	0	1.47	10.3	6	11	8	12	sw.
1903	38.7	90	− 8	1.41	9.2	5	12	7	12	s.
1904	39.7	80	0	1.69	5.7	8	8	8	15	sw.
1905	41.8	82	3	1.43	2.4	6	12	6	13	sw.
1906	38.5	83	−15	1.68	6.8	7	10	9	12	w.
1907	38.3	83	−10	2.66	20.5	8	6	10	15	s.
1908	40.7	91	− 6	0.30	2.8	2	16	10	5	w.
1909	38.8	80	−10	0.67	5.4	4	12	11	8	w.
1910	45.9	88	10	0.17	0.6	2	16	8	7	sw.
1911	42.7	93	3	1.21	5.3	6	15	7	9	s.
1912	37.3	78	− 1	1.17	10.3	6	11	10	10	w.
1913	37.2	91	−15	0.35	4.4	3	14	9	8	w.
1914	44.4	87	4	0.19	1.8	2	20	7	4	s.
1915	42.8	89	− 5	0.45	2.8	3	16	8	7	w.
1916	45.2	92	− 2	0.74	4.7	4	18	6	7	w.
1917	33.3	89	14	0.47	5.9	3	15	7	9	w.
Entire period	39.4	93	−23	1.12	6.8	5	13	8	10	w.

LATE REPORTS.

February, 1917. —Lamoille. (13 days missing from temperature record) mean temperature, 28.1°; highest, 61°, on the 24th; lowest, −10°, on the 1st; total precipitation, 1.82 inches; total snowfall, 18.0 inches; number of days with precipitation, 6.

CORRECTIONS.

February, 1917. —Pages 12 and 13, Bridgeport, Cal., total precipitation should be 2.47.

Climatological data for March, 1917.

Stations.	Counties.	Elevation, feet.	Temperature, in degrees Fahr.								Precipitation, in inches.					Number of days.				Prevailing direction of the wind.	Observers.
			Length of record, years.	Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	4	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	U. S. Forest Service.
Jack Creek**	do	6,300	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	C. E. Butler.
Mahoney Ran. Sta.**	do	6,200	2	23.7^{i}	...	53^{i}	28	-11^{i}	1	45^{i}	2	1.47	...	0.16	22.5	14	9	5	17	...	U. S. Forest Service.
Owyhee	do	5,400	6	26.1^{g}	...	53^{g}	28	-14^{g}	12	49^{g}	6	2.04	...	0.56	22.0	11	8	12	11	n.	E. A. Schwab.
San Jacinto	do	5,200	12	27.2	-9.0	59	29	-3	1	33	12	0.30	-0.61	0.18	5.0	2	14	7	10	n.	Utah Construction Co.
Humboldt Basin.																					
Arthur	Elko	6,500	...	...	...	...	...	...	...	...	7	1.38	+0.44	0.39	17.6	6	18	7	6	nw.	Isaac Woodhouse.
Austin	Lander	6,594	28	32.2	-3.1	60	28	4	†2	35	28	1.34	-0.16	0.85	15.4	5	12	13	6	...	Forest Service.
Battle Mountain	do	4,513	46	34.2	-7.2	70	29	11	2	47	48	T	-0.68	T.	0.1	0	17	7	7	...	Southern Pacific Co.
Beowawe	Eureka	4,695	46	32.3	-8.5	69	28	9	3	44	48	0.10	-0.55	0.10	1.0	1	2	0	29	nw.	Do.
Clover Valley**	Elko	6,000	16	...	...	...	...	...	...	...	24	...	...	...	...	...	...	...	...	...	I. F. Wiseman.
Elko	do	5,063	46	29.3	-7.6	64	29	0	†16	39	47	0.98	-0.50	0.30	11.0	5	8	4	19	nw.	Western Pacific Co.
Eureka	Eureka	6,837	19	28.5	-8.5	66	28	-3	2	43	21	1.16	-0.99	0.64	14.5	5	9	13	9	n.	Clay Simms.
Golconda	Humboldt	4,392	38	33.0	-7.5	65	28	8	14	37	40	0.16	-0.41	0.08	2.0	2	7	21	3	w.	Southern Pacific Co.
Hylton**	Elko	7,081	...	...	...	...	...	...	...	...	7	1.81	...	1.10	18.0	4	21	6	4	...	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	4	33.4	-6.8	67	28	6	15	41	4	T.	-0.55	T.	0	0	17	0	14	...	Southern Pacific Co.
Lamoille	Elko	6,100	2	27.2	...	58	28	-3	2	55	2	1.58	-0.43	0.63	29.0	7	...	...	...	se.	Elko-Lamoille Power Co.
Lovelock	Humboldt	3,977	23	35.2	-8.5	68	28	9	†15	41	21	0.05	-0.25	0.05	1.0	1	20	6	5	n.	John R. Montgomery.
Metropolis §	Elko	5,661	4	20.6	...	54	28	-11	2	41	8	0.40	-0.75	0.20	6.0	2	14	6	11	...	L. F. Hatch.
North Fork	do	6,500	...	...	...	...	...	...	...	...	8	0.47	...	0.30	10.0	4	10	8	13	w.	Chas. Pratt.
Paradise Valley	Humboldt	4,500	4	27.8	...	60	28	-2	1	34	8	0.54	...	0.14	6.1	9	12	8	11	nw.	R. M. Taylor.
Potts	Nye	6,002	24	25.1	-8.2	60	†28	-12	15	38	26	0.56	-0.27	0.48	7.0	3	2	12	17	s.	Miss Maud Potts.
Tecoma	Elko	4,812	39	28.0	-9.2	63	29	0	31	48	41	0.02	-0.38	0.02	0.2	1	7	17	7	w.	Southern Pacific Co.
Winnemucca	Humboldt	4,344	40	32.8	-6.8	66	28	5	15	24	48	0.58	-0.37	0.23	4.7	10	9	9	13	sw.	U. S. Weather Bureau.
Truckee Basin.																					
Franktown §	Washoe	5,054	2	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	Agent V. & T. Ry.
Marlette Lake**	do	7,900	2	19.6	...	42	27	-12	15	37	4	2.06	...	0.72	22.0	9	...	...	...	sw.	V. & G. H. Water Co.
Reno	do	4,532	30	35.5	-5.5	66	27	13	15	37	30	0.74	-0.48	0.39	9.9	7	15	10	6	w.	U. S. Weather Bureau.
Bijou, Cal.	...	6,230	2	22.0	...	59	27	-25	12	69	8	1.66	...	0.70	22.0	6	4	18	9	n.	Chas. Young.
McKinney, Cal.**	...	6,225	...	...	...	...	...	...	...	...	8	4.32	...	1.44	50.5	8	20	5	6	w.	Henry Soll.
Tahoe, Cal.	...	6,230	9	25.4	...	52	28	-5	15	43	9	3.61	...	1.21	41.0	9	9	11	11	w.	Mrs. Emma C. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	23	36.6	-4.7	73	28	12	22	41	23	0.03	-0.45	0.02	0.2	2	19	5	7	sw.	U.S. Experiment Station.
Gardnerville	Douglas	4,830	26	35.4^{g}	-6.8	70^{g}	28	11^{g}	†65	41^{g}	27	0.37	-1.04	0.18	4.0	3	...	...	...	w.	Forest Service.
Lahontan**	Churchill	4,200	5	38.4	...	74	28	17	22	36	7	0.09	...	0.05	0	2	13	9	9	w.	U.S. Reclamat'n Service.
Markleeville, Cal.	...	5,525	...	...	...	...	...	...	...	...	8	1.83	...	0.85	23.5	7	17	6	8	s.	Mrs. Mary Thornburg.
Woodfords, Cal.**	...	5,634	...	...	...	...	...	...	...	...	8	2.20	...	1.05	24.0	7	14	2	15	sw.	Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	10	36.2	-8.1	89	29	11	15	63	21	0.00	-0.23	0.00	0	0	26	0	5	...	Southern Pacific Co.
Smith	Lyon	4,800	...	...	...	...	...	...	...	...	9	...	...	...	...	...	...	...	...	...	C. M. Carter.
Thorne §	Mineral	4,200	4	...	...	...	...	...	...	...	4	0.28	...	0.20	3.0	2	15	9	7	n.	Southern Pacific Co.
Yerington §	Lyon	4,375	8	36.6	-5.8	72	28	10	†2	43	8	0.30	-0.15	0.25	T.	2	23	0	8	sw.	W. F. Powers.
Bridgeport, Cal.	...	6,500	4	18.7	...	48	†28	-20	16	45	6	0.32	...	0.32	4.0	1	15	9	7	ne.	Geo. Delury, jr.
Shields Ranch, Cal.**	...	5,300	...	...	...	...	...	...	...	...	8	0.75	...	0.23	9.0	6	21	10	0	...	Bruce H. Chichester.
Colorado Basin.																					
Indian Springs §**	Clark	3,136	4	44.0	...	70	†21	17	3	48	4	0.99	...	0.77	10.0	3	...	...	...	...	Ira McFarland.
Las Vegas	do	2,033	15	50.4	-1.0	83	29	23	4	48	15	0.01	-0.20	0.01	0	1	19	5	7	n.	C. P. Squires.
Logan §	do	1,355	10	50.6	-4.4	88	29	23	16	48	18	0.24	-0.48	0.24	0	1	20	7	4	...	Experiment Farm.
Mt. Charleston**	do	9,000	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	E. W. Griffith.
Pioche	Lincoln	6,100	19	32.4	-7.2	66	29	9	10	36	19	0.13	-1.35	0.10	1.3	3	23	2	6	s.	L. H. Beason.
Minor Basins.																					
Belmont	Nye	8,540	17	...	...	...	...	...	...	...	17	...	...	...	...	...	...	...	...	...	Monitor-Belmont M. Co.
Cherry Creek	White Pine	6,450	9	26.0	...	60	†28	-4	†3	41	9	0.03	...	0.02	0.7	2	13	10	8	w.	L. F. Howard.
Duck Flat**	Washoe	4,725	...	...	...	...	...	...	...	...	3	0.36	...	0.16	4.5	3	20	4	7	sw.	H. J. Muller.
Francis (near)	do	5,350	...	...	...	...	...	...	...	...	3	0.48	...	0.20	5.8	4	21	3	7	nw.	Geo. W. Barnard.
Gerlach	do	3,931	5	34.8	...	64	†27	8	15	37	5	0.36	...	0.16	4.5	6	19	0	12	sw.	Western Pacific Co.
Goldfield	Esmeralda	5,700	10	36.0	-7.0	79	29	11	16	48	12	T.	-0.86	T.	T.	0	22	5	4	n.	R. W. Robinson.
Hamilton	White Pine	7,800	11	...	...	...	...	...	...	...	16	...	...	...	...	...	...	...	...	...	Carl F. Muir.
Jungo	Humboldt	4,165	...	...	...	...	...	...	...	...	4	0.13	...	0.07	0.8	2	13	14	4	sw.	Western Pacific Co.
Lida §	Esmeralda	6,037	5	...	...	...	...	...	...	...	5	T.	-0.37	T.	T.	0	...	...	...	...	L. F. Detwiler.
McDermitt	Humboldt	4,700	6	29.0	-9.1	61	28	5	†1	32	30	0.14	-1.09	0.09	8.0	4	15	7	9	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	7	32.4	-1.6	67	28	2	16	40	7	0.53	-0.79	0.32	5.3	2	15	10	6	s.	R. E. Middagh.
Millett	Nye	5,040	9	32.2	...	70	28	6	†1	44	10	0.00	...	0.00	0	0	11	6	14	w.	Fred J. Jones.
Oak Springs**	do	5,900	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	Mrs. R. E. Bower.
Oasis Ranch §**	Esmeralda	5,106	5	36.7	-4.0	74	28	9	16	46	5	0.00	-0.37	0.00	0	0	27	0	4	...	Arthur L. Stewart.
Pahrump	Nye	2,608	4	43.4	...	87	30	18	†13	49	4	0.10	...	0.10	1.0	1	...	...	...	s.	F. M. Buol.
Quinn Riv. Ranch**	Humboldt	4,850	15	...	...	...	...	...	...	...	16	...	...	...	...	...	...	...	...	...	F. M. Payne.
Rebel Creek	do	4,300	5	33.4	...	64	27	6	1	32	6	0.39	...	0.16	6.5	5	...	...	...	sw.	Fred Whitaker.
Rhyolite	Nye	3,680	4	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	Secretary School Board.
Sand Pass**	Washoe	4,198	4	35.5	...	66	27	10	2	38	4	0.11	...	0.11	T.	2	19	4	8	nw.	R. R. Mott.
Searchlight	Clark	3,445	4	48.3	...	81	29	25	†3	33	4	0.04	...	0.02	T.	2	23	6	2	n.	C. L. Aug. Mahn.
Sharp	Nye	6,200	4	33.0	...	68	30	5	3	37	4	0.24	...	0.12	4.0	2	16	8	7	w.	F. A. Sears.
Sulphur	Humboldt	4,044	4	33.8	...	63	†27	12	16	38	4	0.02	...	0.02	T.	0	10	17	4	w.	Western Pacific Co.
Tonopah	Nye	6,090	12	33.0	...	66	28	10	2	29	12	0.03	...	0.03	0.2	1	15	13	3	nw.	U. S. Weather Bureau.
Vya	Washoe	5,500	...	...	...	...	...	...	...	...	4	0.84	...	0.48	14.0	3	23	1	7	w.	L. A. Mariette.
For the State	...	...	...	33.3	-6.5	89	29	-14	12	63	...	0.47	-0.51	1.10	5.9	3	15	7	9	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Jack Creek, Tuscarora; of Mahoney Ranger Station, Jarbridge; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of McKinney, Hellman's, Lake Tahoe, Cal.; of Lahontan, Hazen; of Woodfords, Cal., Sheridan, Nev.; of Shield's Ranch, Coleville, Cal.; of Indian Springs, Las Vegas; of Mt. Charleston, Las Vegas; of Duck Flat, Sunkist; of Oak Springs, Las Vegas; of Oasis Ranch, Oasis, Cal.; of Quinn River Ranch, Amos; of Sand Pass, Sheepshead.

Reference letters, ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing, for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for March, 1917.

Stations.	Day of month																															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Columbia Basin.																																
Gold Creek (near)																																
Jack Creek																																
Mahoney Ranger Station ||||		.05		.10	.16			.07	.12	.06	.06		.12	.06	.12					*	*	.25								.20		1.37
Owyhee				.09	.27	.34		.09	.22	.08			.12	.03							.16						.08			.56		2.04
San Jacinto					T			T	.12		T.		T	.18							T				T					T		0.30
Humboldt Basin.																																
Arthur					.13				.39				.17	.29	.13						.27											1.38
Austin					.13				.02	.30			T	.85							.01											1.31
Battle Mountain									T.				T.	T	T						T								T	T		T.
Beowawe								.10				T	T.	T														T			T	0.10
Clover Valley																																
Elko					.20				.30	T				.25							.10									.13		0.98
Eureka				.04	T.				.08				.64	.24							.16											1.16
Golconda												.08		.08																		0.16
Hylton					.31				.17				1.10								.23											1.81
Imlay														T.																T		T.
Lamoille ||||					.16		T.			.19			*	*	.63				T	T.	T	.40					T			.20		1.58
Lovelock									T.	T.	.05			T.																		0.05
Metropolis ||||				T.					.20				T.	.20							T.									T		0.40
North Fork									.07				.02	.30							.08											0.47
Paradise Valley				.01	.01			.03	.13	T.			.10	.04							.02			T	.14				T	.06		0.54
Potts									.04		T.			.48							.04											0.56
Tecoma														.02																		0.02
Winnemucca***				.07	.02			.07	.06	.01	T.		.01	.09							.02			T			T		.15	.08		0.58
Truckee Basin.																																
Franktown																																
Marlette Lake ||||					T.				.72	.34	.13		.08	.36	.03							.11								.29		2.06
Reno***				T.				T.	.39	.03	.01	T.	.12	.06							.02								.11			0.74
Bijou, Cal.									.70	.35			.13	.20															.23	.05		1.66
McKinney, Cal.					T.				1.44	.49	.62		.38	.63							.20								.22	.34		4.32
Tahoe, Cal. ||||									1.21	.46	.15	.02	.12	.79	.07						.10								T	.69		3.61
Carson Basin.																																
Fallon ||||					.01					T.	.02		T.																			0.03
Gardnerville									.16	.18		.03	T.	T.																		0.37
Lahontan									T.	.05	.04			T.							T.							T.				0.09
Markleeville, Cal.								.85	.20	.07	.18										.21								.25	.07		1.83
Woodfords, Cal.									1.05	.08	.12		.16	.25							.12								.42			2.20
Walker Basin.																																
Mina																																0.00
Smith											.20	T.									.08											0.28
Thorne																																
Yerington									T.		.25			T.						.05												0.30
Bridgeport, Cal.									.32		T.																		T.			0.32
Shields Ranch, Cal.									.23		.17	.02	.03								.10								.20			0.75
Colorado Basin.																																
Indian Springs ||||											.12	.77										.10										0.99
Las Vegas										T.	.01																					0.01
Logan														.24																		0.24
Mt. Charleston																																
Pioche									.02	T.	.01	T.	T.							.10												0.13
Minor Basins.																																
Belmont ||||																																
Cherry Creek																																
Duck Flat					T.				.01					.02							T											0.03
Francis (near)									.12				.08																	.16		0.36
Gerlach									.10	.02				.20							T.								.16			0.48
Goldfield									.16	.04	.01	.06	.08																	.01		0.36
Hamilton																					T.											T.
Jungo																																
Lida									T.	.06			.07																	T		0.13
McDermitt										T.																						T.
McGill									.09				.03		.01														.01			0.14
Millett									.32					T.							.21											0.53
Oak Springs																																0.00
Oasis Ranch																																
Pahrump																																0.00
Quinn River Ranch											T.	.10																				0.10
Rebel Creek																																
Rhyolite									.03				.06	.16							.01									.13		0.39
Sand Pass																																
Searchlight									T.	T.			T.	T.															*	.11		0.11
Sharp											.02	.02									T											0.04
Sulphur									T.				.12									.12										0.24
Tonopah***									.02		T.		T.	T.																T.		0.02
Vya ||||									T.	T.	.03			T.							T.											0.03
													.48	.12															.24			0.84

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.
|||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

Daily Evaporation (inches) and Wind Movement (miles) for March, 1917.

(See temperature and precipitation data in Climatological Tables, pages 20 to 22.)

Stations.	Data.	Day of month.																														Monthly.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Indian Springs*	Evaporation																																
	Wind movement																																
Lamoille*	Evaporation																																
	Wind movement																																
Marlette Lake.,*	Evaporation																																
	Wind movement																																
Tahoe, Cal.**	Evaporation					.100	.105	.060	.025								.170	.070		.075	.105	.010	.140	.080	.100		.105	.090	.040	.030		.040	
	Wind movement	‡	295	100	‡	122	78	50	63	222	‡	‡	735	‡	‡	747	68	21	‡	174	73	122	88	66	57	‡	131	63	59	64	227	65	3.690

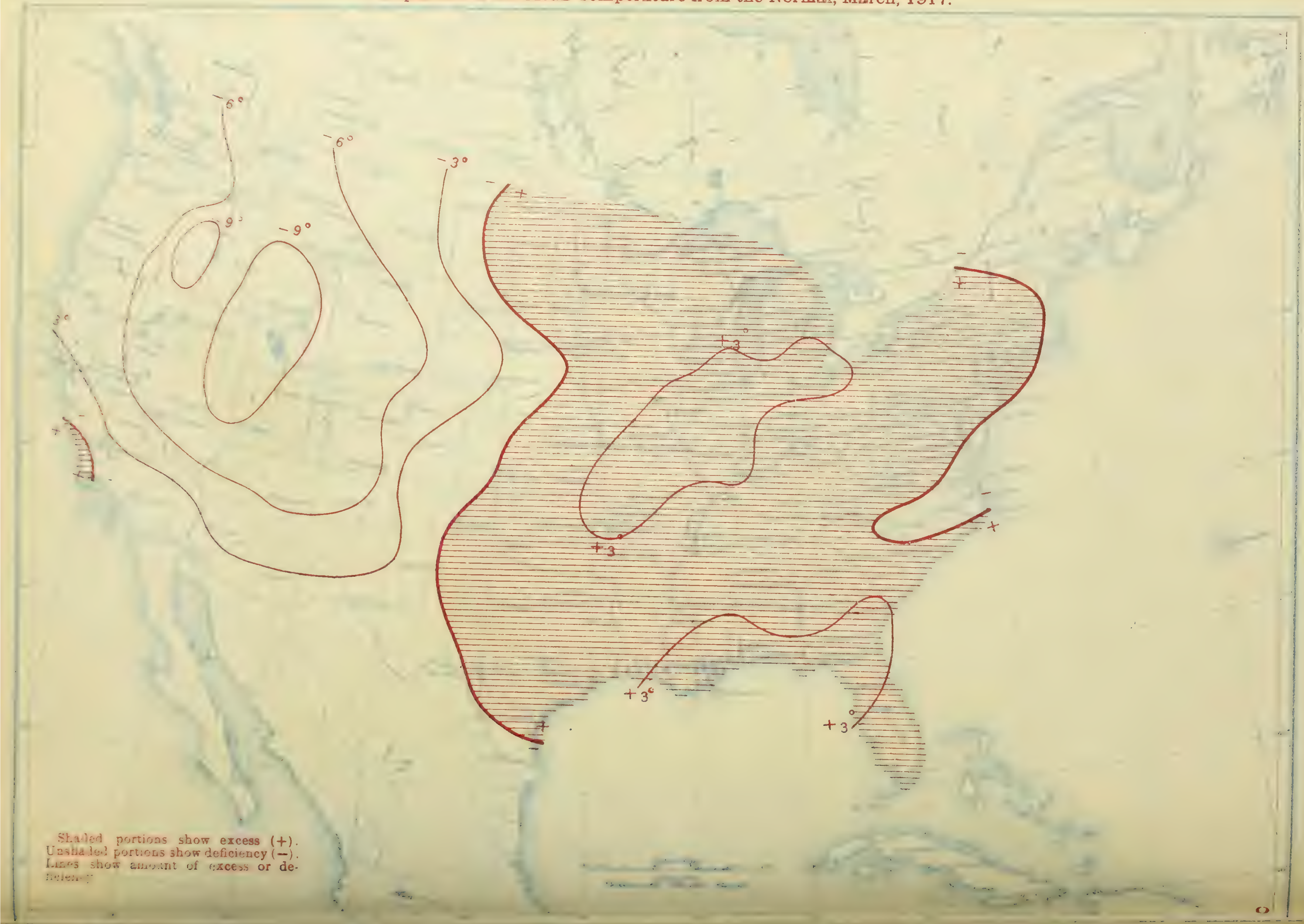
* Observations taken at 7 a. m.; ** at 8 a. m. ‡ Included in next following entry.

Daily temperatures for March, 1917.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek (near)	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Owyhee	Maximum	....	....	....	....	....	....	....	44	38	29	31	28	34	35	26	36	37	46	42	38	41	33	38	42	43	38	48	53	52	47	32	38.8
	Minimum	....	....	....	....	....	....	....	23	23	15	−13	−14	15	16	8	−3	−12	9	16	25	20	−1	20	31	19	5	30	33	37	15	4	13.4
San Jacinto	Maximum	23	24	35	42	37	35	40	40	35	31	34	35	31	34	27	35	39	43	38	39	38	33	40	46	40	37	51	54	59	50	32	38.0
	Minimum	−3	−1	4	15	17	19	7	24	25	15	6	8	11	18	12	14	8	17	20	23	25	13	24	33	20	18	25	26	28	22	17	16.5
Humboldt Basin.																																	
Austin	Maximum	....	32	41	41	42	38	47	44	40	....	36	34	43	35	30	38	45	43	43	45	40	33	45	49	44	44	55	60	56	55	31	42.4
	Minimum	....	4	6	21	24	9	18	23	20	....	6	4	13	15	7	20	21	32	32	33	12	22	26	37	37	31	40	43	38	26	18	22.0
Battle Mountain	Maximum	35	34	42	42	45	44	54	52	49	40	52	39	47	39	37	38	45	48	51	53	50	44	45	43	32	43	65	66	70	54	43	46.8
	Minimum	13	11	14	29	17	20	21	34	29	25	15	14	24	19	13	12	17	21	20	28	23	14	28	21	23	34	30	35	23	27	14	21.5
Elko	Maximum	30	26	39	48	40	38	46	48	43	36	32	32	40	40	30	31	34	45	46	46	41	39	40	52	50	48	55	60	64	53	34	42.1
	Minimum	4	11	5	18	21	20	13	21	23	20	7	10	16	19	3	0	3	12	29	26	29	0	14	25	24	19	25	29	27	25	14	16.5
Eureka	Maximum	31	22	39	47	45	37	46	49	41	34	34	34	41	33	28	34	43	51	45	46	46	35	46	33	47	41	54	66	64	57	37	42.1
	Minimum	2	−3	4	18	21	17	16	21	22	12	8	2	14	16	12	−2	0	19	15	19	18	−2	8	21	31	15	30	34	35	25	14	14.9
Imlay	Maximum	43	40	48	45	40	44	49	51	40	37	35	36	35	36	35	41	40	42	48	50	51	45	53	58	53	52	62	67	65	50	52	46.5
	Minimum	25	30	30	29	13	13	15	20	15	22	20	21	18	15	6	10	12	15	20	25	24	12	12	29	23	20	37	30	31	30	11	20.4
Lamoille	Maximum	27	28	37	63	46	48	50	41	30	....	28	26	39	35	38	37	38	43	48	46	44	27	41	42	38	41	51	58	54	31	29	40.1
	Minimum	−2	−5	2	8	23	17	15	10	25	17	....	5	14	17	8	6	3	9	20	21	26	2	8	23	31	12	18	31	37	19	7	14.3
Paradise Valley	Maximum	31	29	33	37	38	33	37	40	39	32	30	32	35	33	32	33	38	41	41	45	42	38	46	48	38	40	59	60	55	47	34	39.2
	Minimum	−2	−1	4	12	24	12	14	29	27	19	8	5	19	12	3	4	8	7	17	24	25	12	19	35	30	17	30	33	34	19	12	16.5
Tecoma	Maximum	30	32	35	40	36	38	43	47	46	40	37	36	38	36	30	41	42	46	45	48	49	44	45	40	42	40	45	60	63	50	48	42.3
	Minimum	5	6	5	10	11	5	12	20	18	10	5	6	13	20	16	17	20	12	6	22	20	12	22	18	21	10	18	20	31	12	0	13.6
Winnemucca	Maximum	32	33	44	46	41	43	50	48	36	34	36	38	42	31	37	40	46	48	49	52	45	43	52	53	50	45	62	66	60	38	39	44.5
	Minimum	12	11	16	26	26	18	19	31	26	21	16	14	24	9	5	12	22	25	25	26	22	14	18	33	26	22	36	32	28	22	15	21.0
Truckee Basin.																																	
Franktown	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Marlette Lake	Maximum	....	33	38	28	29	27	32	28	30	23	19	24	22	21	20	25	32	30	32	34	26	25	33	36	35	39	42	41	32	22	25	29.4
	Minimum	10	....	11	18	21	3	3	8	10	16	9	10	10	14	−12	−7	−5	9	8	7	9	2	2	14	16	13	15	30	28	19	4	9.8
Reno	Maximum	35	38	50	53	48	45	53	50	37	34	36	38	43	33	38	45	52	54	53	58	46	43	58	58	54	61	66	65	54	39	45	47.8
	Minimum	20	13	17	29	24	18	23	31	23	22	22	15	22	20	13	13	21	25	28	28	22	15	21	33	30	26	41	35	29	23	17	23.2
Tahoe, Cal.	Maximum	30	33	38	44	38	37	43	40	25	27	26	29	32	30	30	39	48	44	42	43	37	37	43	45	47	48	49	52	40	34	37	38.3
	Minimum	16	2	6	18	23	6	14	20	20	15	10	8	17	14	−5	−1	5	12	14	14	21	0	8	15	16	18	22	16	33	9	6	12.6
Carson Basin.																																	
Fallon §§	Maximum	34	37	47	51	52	46	54	58	44	40	39	41	54	40	42	45	49	54	55	58	48	46	57	63	58	55	69	73	65	54	45	50.7
	Minimum	17	16	15	25	32	16	19	23	28	17	21	14	26	24	13	13	19	18	27	25	39	12	17	22	33	20	35	33	38	29	14	22.6
Gardnerville	Maximum	36	38	47	....	....	55	59	59	49	35	....	37	45	40	38	43	49	....	....	57	57	43	56	....	....	61	66	70	64	50	48	50.1
	Minimum	20	12	14	....	....	14	18	31	20	13	....	14	27	21	11	14	19	....	....	20	31	11	16	....	....	20	34	30	45	25	16	20.7
Lahontan	Maximum	36	37	46	50	54	47	53	55	44	39	36	40	52	39	41	44	50	53	56	58	48	46	56	62	57	57	69	74	65	48	44	50.2
	Minimum	19	20	19	29	34	22	25	28	25	20	21	18	27	23	18	29	22	26	30	34	40	17	23	32	33	27	37	38	45	27	18	26.6
Walker Basin.																																	
Mina	Maximum	39	38	37	51	56	49	59	60	55	42	40	39	55	40	42	49	52	58	59	52	54	44	55	62	60	60	60	69	89	72	44	52.9
	Minimum	18	18	16	12	23	16	16	23	31	20	22	16	12	13	11	12	14	14	22	21	28	14	13	19	34	24	22	24	26	31	18	19.5
Yerington	Maximum	36	38	50	52	54	45	57	57	51	39	34	40	50	45	42	47	54	53	56	60	56	44	58	63	60	58	70	72	68	53	48	51.9
	Minimum	21	10	12	22	32	14	14	28	21	23	23	15	25	22	15	14	16	19	30	21	27	10	18	23	28	20	33	32	30	28	14	21.3
Bridgeport, Cal.	Maximum	26	11	18	42	38	32	42	37	37	22	19	20	32	22	20	22	25	38	40	36	35	25	31	36	40	40	44	48	48	40	33	32.2
	Minimum	11	−17	−18	2	28	−5	−3	14	18	12	−7	−11	2	10	−12	−20	−8	0	2	15	15	5	−1	4	10	10	21	20	32	26	7	5.2
Colorado Basin.																																	
Indian Springs	Maximum	44	46	60	68	56	57	59	61	60	62	60	51	60	51	49	49	56	63	65	65	70	61	58	60	62	69	66	70	67	66	68	60.0
	Minimum	23	21	17	20	25	22	25	29	34	33	34	28	20	24	25	22	23	25	33	31	32	29	23	28	32	33	34	34	36	35	34	27.9
Las Vegas	Maximum	61	61	66	65	74	62	68	71	60	60	54	57	63	56	57	59	69	72	77	77	76	68	66	75	81	68	79	82	83	77	65	68.0
	Minimum	28	26	25	23	32	32	24	31	34	29	27	30	27	28	27	40	24	36	39	37	35	42	24	33	33	39	34	40	45	58	38	32.9
Logan	Maximum	57	55	60	63	70	61	67	68	70	58	57	57	60	63	57	58	67	71	75	74	78	71	65	72	80	68	78	85	88	79	66	67.7
	Minimum	34	26	24	24	30	28	29	26	38	30	33	33	27	41	28	23	24	35	34	35	36	41	27	31	32	44	38	41	47	58	43	33.5
Pioche	Maximum	35	26	32	45	52	45	54	55	45	30	30	45	40	24	27	35	43	45	45	45	51	28	44	49	54	56	64	64	66	54	38	44.1
	Minimum	14	11	10	10	27	17	18	28	33	9	20	14	15	22	10	11	12	12	28	25	30	11	11	22	30	26	35	40	40	30	20	20.7
Minor Basins.																																	
Cherry Creek	Maximum	25	25	37	40	40	33	42	45	45	30	28	28	33	33	24	35	34	44	44	36	35	35	42	48	45	40	49	60	60	54	32	38.7
	Minimum	7	1	−4	19	24	12	9	25	22	15	5	2	8	20	2	−4	0	7	8	16	20	3	11	21	30	12	22	27	32	28	12	13.3
Gerlach	Maximum	31	35	42	46	45	40	50	52	41	38	36	38	40	40	40	40	45	49	49	54	54	53	56	58	56	51	64	64	62	52	43	47.2
	Minimum	18	15	17	29	26	18	20	31	25	20	18	19	28	25	8	17	21	25	21	25	17	20	19	25	32	26	37	28	25	23	14	22.3
Goldfield	Maximum	34	33	46	55	57	44	55	54	47	50	38	38	43	37	38	43	52	58	55	56	55	42	51	60	58	59	68	70	79	58	42	50.8
	Minimum	16	13	12	22	30	16	19	22	30	16	18	13	18	22	14	11	20	19	22	21	29	13	16	24	29	26	31	35	31	31	15	21.1
McDermitt	Maximum	34	32	36	37	37	37	40	40	35	34	33	33	34	30	32	38	44	44	40	44	42	35	45	44	43	40	58	61	56	48	36	40.1
	Minimum	5	6	9	21	24	13	15	27	27	18	12	8	20	12	5	8	12	18	20	22	16	10	21	32	26	21	31	31	34	19	10	17.8
McGill	Maximum	28	27	38	49	47	37	50	49	45	33	35	....	....	....	33	35	46	49	53	51	51	40	50	53	56	45	60	67	65	58	39	46.0
	Minimum	7	8	6	20	26	16	15	28	24	16	12	....	....	....	5	2	6	14	18	23	29	8	13	27	35	17	33	35	39	33	14	18.9
Millett	Maximum	32	32	41	51	50	40	55	54	50	39	35	35	49	40	34	38	50	55	49	52	50	38	53	57	56	52	63	70	67	55	40	47.8
	Minimum	6	10	10	15	28	11	13	23	25	19	9	8	14	21	10	6	7	13	15	16	26	7	10	22	30	16	29	26	26	30	11	16.5
Oasis Ranch	Maximum	40	37	48	60	63	46	55	60	51	38	38	39	49	42	41	37	54	59	55	51	60	45	55	61	62	60	70	74	72	62	47	52.6
	Minimum	23	19	15	15	23	17	16	24	33	14	19	17	18	25	17	9	16	14	24	18	25	18	17	19	28	25	24	34	30	37	13	20.8
Rebel Creek	Maximum	35	32	41	39	39	40	44	43	38	....	....	....	38	36	36	38	47	49	45	48	45	41	51	47	47	43	64	62	58	51	38	44.1
	Minimum	6	13	14	27	25	18	20	31	23	....	....	....	13	15	11	9	15	24	24	27	28	17	23	37	28	20	38	45	48	21	16	22.7
Rhyolite	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Sand Pass	Maximum	34	37	44	51	48	54	56	50	37	36	37	39	44	37	40	43	47	51	51	58	51	44	57	59	54	53	66	61	61	44	45	48.0
	Minimum	17	10	16	27	31	16	20	28	22	23	14	14	30	19	12	14	19	25	21	28	30	14	20	30	34	23	40	39	40	23	15	23.0
Searchlight	Maximum	47	44	44	60	66	59	60	68	56	50	46	46	49	55	48	48	55	66	68	69	63	56	68	69	71	61	73	80	81	73	60	60.0
	Minimum	30	29	25	30	41	33	39	37	41	31	25	29	25	31	25	31	34	44	42	43	30	35	36	37	47	45	44	51	55	52	38	36.6
Sharp	Maximum	....	26	38	50	52	38	49	52	45	35	36	37	36	34	34	35	42	53	48	49	56	46	47	57	56	48	64	65	66	68	57	47.3
	Minimum	9	16	5	15	32	16	12	21	20	18	20	11	12	15	15	6	11	19	22	21	26	12	12	20	22	17	29	29	32	34	35	18.8
Sulphur	Maximum	30	33	41	46	43	38	41	47	37	38	36	38	39	33	38	43	47	49	49	49	53	42	54	55	51	47	63	63	60	51	39	44.9
	Minimum	18	13	17	20	25	20	19	23	23	22	19	15	28	20	17	12	25	25	22	27	32	13	23	42	31	21	25	29	44	22	16	22.8
Tonopah	Maximum	28	28	39	47	50	38	49	49	41	30	32	31	39	30	30	38	46	53	44	48	45	35	45	54	51	51	61	66	64	45	35	43.3
	Minimum	14	10	14	27	21	16	25	31	23	18	16	13	21	15	13	16	23	28	27	27	20	14	22	32	30	28	39	43	40	20	15	22.6

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Departure of the Mean Temperature from the Normal, March, 1917.



Shaded portions show excess (+).
Unshaded portions show deficiency (—).
Lines show amount of excess or deficiency.

Snowfall in the elevated regions of Nevada Section, March, 1917.

Considered as a whole, March was an abnormally cold month. Zero or lower temperatures occurred in many places between the 15th and 17th. No precipitation worthy of mention occurred during the first eight days. From the 9th to the 15th the weather was stormy and wet, and the bulk of the month's snowfall occurred during that period. The amount of precipitation recorded during the last 16 days was relatively unimportant. The snowfall was heavier than usual in the Truckee, Carson and Humboldt watersheds, but somewhat deficient in the Walker watershed. At the close of the month the amount of snow on the ground was above the normal over the greater part of the Truckee and Humboldt watersheds.

In the Truckee Basin, the snowfall was from 22 to 50 inches. The average fall for the five stations in that basin, 34 inches, was 126 per cent of the normal. On the last day, the thickness of the snow cover ranged from 12 inches at Truckee to 77 inches at Marlette Lake, and was above normal at all stations except Truckee. By the "accumulative snowfall" method of reckoning, the current season's snowfall (December to March), is about 82 per cent of the normal, a gain of about 5 per cent since February 28th.

In the Carson Basin, the snow was unusually heavy. The average fall for two stations was 24 inches, which is 200 per cent of the normal for March. On the 15th, the snow cover was from 7 to 12 inches thick in the vicinity of Markleeville and Woodfords, but by the 31st the ground had become bare. The outlook for water was fairly good.

In the Walker Basin, three stations gave an average fall of 5 inches; this is about 83 per cent of the normal. The monthly snowfall in this basin has been below normal every month since January. The snow had disappeared at Shield's Ranch and Smith by the 15th, and at Bridgeport by the 31st. The prospects for water this summer are not very good.

In the Humboldt Basin, the fall at seven of the eight stations reporting ranged from 1 to 29 inches; at one station there was none at all. The average for the basin was 10 inches, which is about 143 per cent of the normal. At the close of the month the depth of snow on the ground was above the normal at many places. An ample supply of water was expected.

Lake Tahoe's level on March 31, 1917, was 6228.29 feet; this is .06 foot lower than its level of February 28th, and more than one foot above the normal. The estimated probable maximum level (gates closed) that the lake will reach this summer is 6229.68 feet, reckoned by the "accumulative snowfall" method, or 6229.92 feet, reckoned by the "water content" method.

SNOWFALL.

(Inches.)

Stations.	Counties.	Altitude.	Total snowfall.	Amount on ground on 15th of month.	Amount on ground on last day of month.	Depth on last day of month compared with normal.
Truckee Basin.						
Bijou, Cal	Eldorado	6,230	22.0	40	22	+ 5
McKinney, Cal	Placer	6,225	50.5	86	65	+21
Marlette Lake	Douglas	7,900	22.0	101	77	+ 3
Tahoe, Cal	Placer	6,230	41.0	94	67	+29
Truckee, Cal	Nevada	5,818	34.0	18	12	− 8
Carson Basin.						
Markleeville, Cal	Alpine	5,525	23.5	7	0	− 2
Woodfords, Cal	do	5,634	24.0	12	0	0
Walker Basin.						
Bridgeport, Cal	Mono	6,500	4.0	8	0	− 2
Shield's Ranch, Cal	do	5,300	9.0	0	0	0
Smith	Lyon	4,800	3.0	0	0	0
Humboldt Basin.						
Arthur	Elko	6,500	17.6	17	6	+ 4
Beowawe	Lander	4,695	1.0	0	0	0
Eureka	Eureka	6,837	14.5	9	0	− 1
Hylton	Elko	7,081	......	......	......	......
Lamoille	do	6,100	29.0	13	3	+ 3
Metropolis	do	5,661	6.0	4	3	+ 3
Millett	Nye	5,040	0	0	0	0
North Fork	Elko	6,500	10.0	18	10	+10
Winnemucca	Humboldt	4,344	4.7	......	0	0

NE

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

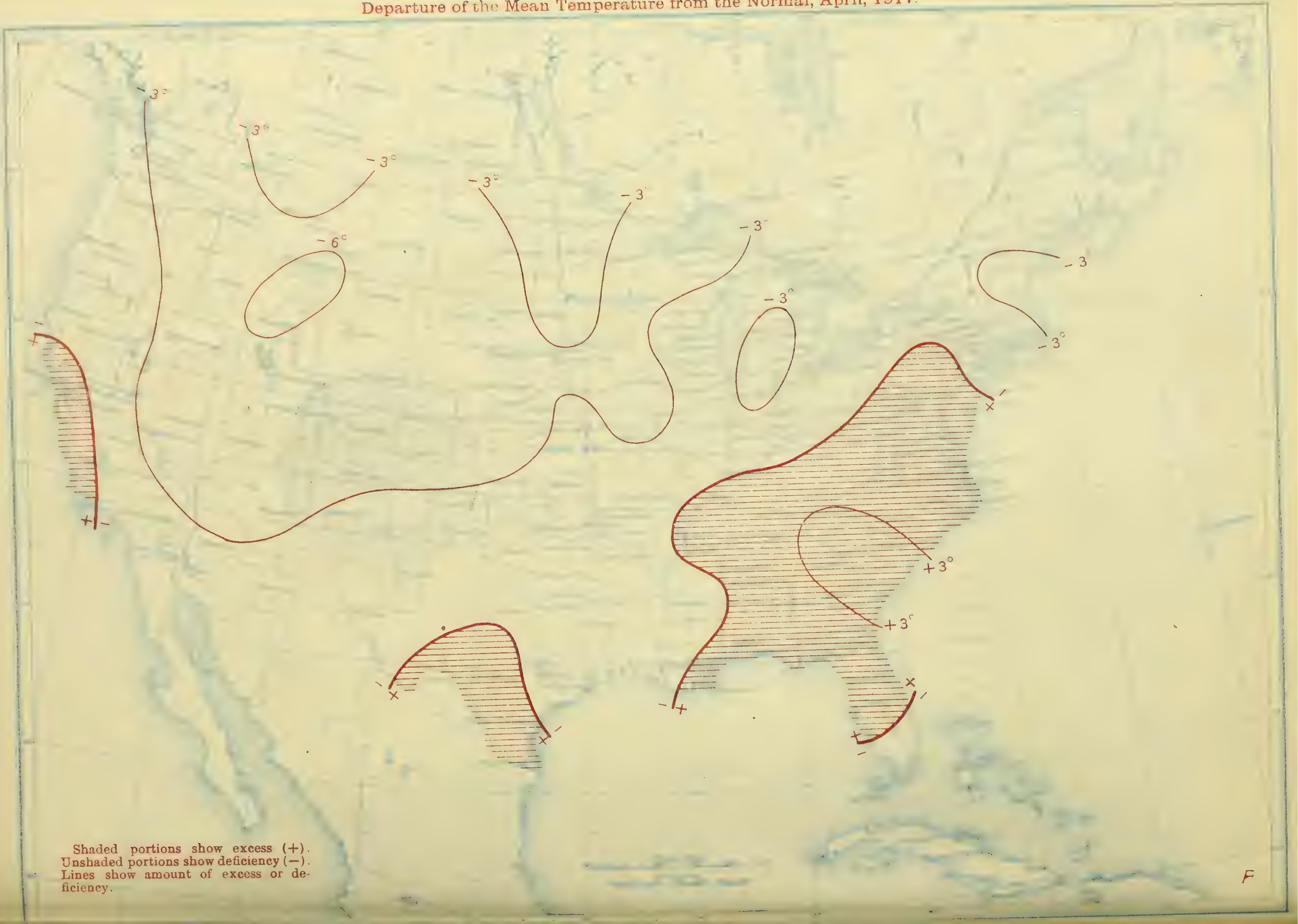
NEVADA SECTION

APRIL, 1917

BY
HENRY F. ALPS
METEOROLOGIST

RENO, NEV.
WEATHER BUREAU OFFICE
MAY 18, 1917.

Departure of the Mean Temperature from the Normal, April, 1917.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALPS, Meteorologist.

Vol. XXXII. Reno, Nevada, April, 1917. No. 4.

GENERAL SUMMARY.

The cold period which began in October, 1916, continued through April, which was the seventh consecutive month with the monthly mean temperature for the State below normal. The mean temperature for the entire State was the lowest for April since 1912, and there have been only four Aprils in the past 29 years with lower average temperatures. Two warm periods of short duration occurred, one being from about the 4th to the 7th, and the other from the 21st to the 25th. The period of coldest weather was from the 14th to the 18th. There was the usual wide variation in the amount of precipitation in different localities. The greatest amounts were recorded in portions of Elko, Eureka, Lander, White Pine, and Nye Counties, and the least amounts at places in western and southern counties. The State average was below the normal, although there were a number of stations which received considerably more than normal amounts. The snow on the ground at the close of the month was generally greater than normal in the high mountains of all watersheds.

Mr. Edward C. Paxton, Field Agent for Nevada, says: "Farm progress during April was slow due to the backward spring. Every effort was made to speed up farm work and increase acreages due to shortage of food and feed. Rapid progress was made in shearing sheep and in some localities lambing was well advanced. All live stock is very thin owing to lack of hay and poor pasture. As streams are running high there is good prospect for wild hay where the valley meadows must be flooded in the spring. Nevada farmers are trying to do their bit in augmenting the world's supply of food by planting every acre possible to spring grains and garden vegetables. Preparation of the land for planting beets for Fallon's rejuvenated sugar factory progressed nicely during April.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 42 stations, was 43.9°. The mean for the 25 stations having ten or more years' record was 3.1° below normal. The highest recorded was 95°, at Las Vegas and Logan on the 25th; the lowest was —6°, at Gold Creek on the 7th and 15th. The greatest daily range was 54°, at Logan on the 25th. The highest monthly mean was 59.6°, at Las Vegas; the lowest was 27.6°, at Marlette Lake.

PRECIPITATION.

The average for 50 stations reporting was 0.74 inch. For the 28 stations having ten or more years' record, the mean was 0.12 inch below the normal. The average amount at 4 stations in the Columbia Basin was 2.09 inches; at 17 stations in the Humboldt Basin, 0.89 inch; at 4 stations in the Truckee Basin, 1.82 inches; at 5 stations in the Carson Basin, 0.42 inch; at 6 stations in the Walker Basin, 0.51 inch; at 3 stations in the Colorado Basin, 0.23 inch; at 17 stations in the minor basins, 0.49 inch. The greatest monthly fall was 3.68 inches, at Mahoney Ranger Station; the least was a trace at Thorne. The average number of days with precipitation was 4.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric pressure (sea level)			Mean relative humidity		Wind			
	Mean.	Highest.	Lowest.	[illegible]	[illegible]	Average hourly velocity	Max. velocity		
							Miles per hour	Direction.	Date.
Reno	29.95	30.42	29.59	65	45	9.1	37	sw.	11
Winnemucca	29.96	30.43	29.59	75	45	7.8	30	sw.	11
Tonopah	29.91	30.34	29.50	59	34	10.1	48	w.	11

SUNSHINE AND CLOUDINESS.

At Reno, 79 per cent of the possible sunshine was recorded; at Winnemucca, 70 per cent; at Tonopah, 85 per cent. For the State, the average number of clear days was 13; partly cloudy, 8; cloudy, 9.

MISCELLANEOUS PHENOMENA.

(Dates of.)

Brisk winds.—1, 2, 3, 6, 7, 8, 9, 11, 14, 15, 16, 20, 26, 27, 28.
Mock suns.—12, 13, 15.
Solar halos.—5, 13, 16, 25.
Lunar halos.—2, 6, 29.
Sleet.—2, 4, 12, 27, 28.
Thunderstorms.—25, 27, 28.
Hail.—At Tonopah, 26, and at Pioche, 27.

COMPARATIVE DATA FOR APRIL.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	53.5	100	16	0.45	......	2	16	9	5	sw.
1890	49.0	96	8	0.72	1.4	3	16	9	5	s.
1891	48.3	88	5	1.51	5.8	5	11	11	8	s.
1892	44.9	84	6	0.62	2.1	4	8	13	9	w.
1893	41.8	78	0	1.14	7.0	6	10	8	12	sw.
1894	47.6	90	10	0.59	3.2	4	11	10	9	sw.
1895	48.2	95	1	0.42	1.4	2	15	8	7	w.
1896	41.7	89	9	1.00	5.6	5	7	10	13	sw.
1897	47.3	91	9	0.37	1.5	3	17	6	7	w.
1898	51.1	103	12	0.71	0.8	2	17	7	6	w.
1899	47.9	87	12	0.37	2.7	2	15	8	7	w.
1900	43.8	82	10	1.98	12.1	7	6	7	17	w.
1901	45.3	98	-2	0.59	1.9	3	15	6	9	sw.
1902	45.8	84	14	0.75	2.4	3	11	9	10	sw.
1903	45.2	101	1	0.47	2.3	2	17	6	7	sw.
1904	45.4	97	10	0.66	3.7	3	15	7	8	sw.
1905	47.0	85	10	0.84	2.9	4	14	7	9	sw.
1906	47.6	90	9	1.30	4.0	5	13	7	10	w.
1907	50.1	94	12	0.58	0.2	3	14	9	7	w.
1908	50.1	91	4	0.33	0.3	2	18	7	5	w.
1909	47.8	93	10	0.18	4.0	1	18	7	5	w.
1910	51.8	95	8	0.24	0.1	2	18	8	4	sw.
1911	45.1	92	5	0.55	1.1	3	16	8	6	w.
1912	43.4	84	7	1.27	4.3	6	10	10	10	w.
1913	47.2	93	5	0.64	1.1	3	14	8	8	w.
1914	49.2	102	5	1.23	4.4	6	9	10	11	w.
1915	50.4	92	15	1.64	4.7	7	11	9	10	w.
1916	50.4	99	12	0.31	1.1	2	18	8	4	w.
1917	43.9	95	6	0.74	4.5	4	13	8	9	sw.
Entire period	47.3	103	-9	0.77	3.1	4	14	8	8	w.

LATE REPORTS.

March, 1917.—Clover Valley, (5 days missing from temperature record) mean temperature, 26.4°; highest 61°, on the 28th; lowest, —5°, on the 17th; total precipitation, 1.44 inches; total snowfall, 18.5 inches; number of days with precipitation, 6; clear, 9; partly cloudy, 18; cloudy, 4. Oak Springs, total precipitation, 0.24 inch; number of days with precipitation, 2.

CORRECTIONS.

March, 1917.—Page 20, the data published for Thorne should be for Smith.

Climatological data for April, 1917.

Stations.	Counties.	Elevation, feet.	Temperature, in degrees Fahr.								Precipitation, in inches.					Number of days.				Prevailing direction of the wind.	Observers.
			Length of record, years.	Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	4	28.0^e	......	53^e	†24	− 6^e	†7	43^e	4	0.89	......	0.20	......	12	9^e	1^e	15^e	s.	U. S. Forest Service.
Jack Creek**	do	6,300	......	......	......	......	......	......	......	......	4	......	......	......	......	......	......	......	......	......	C. E. Butler.
Mahoney Ran. Sta.**	do	6,200	2	36.0^a	......	61^a	24	7^a	16	38^a	2	3.68	......	1.15	25.0	13	10	5	15	......	U. S. Forest Service.
Owyhee	do	5,400	6	39.0	......	62	†7	− 1	3	43	6	2.69	......	0.49	13.0	12	6	7	17	n.	E. A. Schwab.
San Jacinto	do	5,200	12	39.4	−4.9	67	8	10	3	41	12	1.10	+0.51	0.85	11.0	5	12	4	14	s.	Utah Construction Co.
Humboldt Basin.																					
Arthur	Elko	6,500	......	......	......	......	......	......	......	......	7	1.53	−0.21	0.43	12.8	7	15	6	9	......	Isaac Woodhouse.
Austin	Lander	6,594	28	40.6^a	−3.2	69^a	24	11^a	17	34^a	28	1.70	+0.23	0.48	9.5	9	11^b	11^b	6^b	......	Forest Service.
Battle Mountain	do	4,513	46	46.8	−2.8	76	†7	12	1	46	48	0.43	−0.38	0.40	5.2	3	14	4	12	......	Southern Pacific Co.
Beowawe	Eureka	4,695	46	43.6	−5.3	76	7	12	1	46	48	0.28	−0.25	0.10	1.0	4	5	18	7	......	Do.
Clover Valley**	Elko	6,000	16	......	......	......	......	......	......	......	24	......	......	......	......	......	......	......	......	......	I. F. Wiseman.
Elko	do	5,063	46	42.5	−2.2	75	25	21	†4	42	47	0.20	−0.55	0.20	0	1	6	8	16	w.	Western Pacific Co.
Eureka	Eureka	6,837	19	41.9	−3.3	74	25	15	3	41	21	0.94	−0.23	0.38	7.0	9	8	9	13	n.	Clay Simms.
Golconda	Humboldt	4,392	38	45.2	−2.8	71	24	14	16	38	40	0.83	+0.23	0.40	3.0	7	0	27	3	w.	Southern Pacific Co.
Hylton**	Elko	7,081	......	......	......	......	......	......	......	......	7	1.35	......	0.87	6.0	3	16	9	5	......	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	4	44.0	−5.1	76	21	10	18	47	4	0.60	+0.23	0.40	0	2	11	0	19	nw.	Southern Pacific Co.
Lamoille	Elko	6,100	2	37.6	......	65	24	14	3	37	2	2.38	+0.25	0.98	......	7	16	0	14	se.	Elko-Lamoille Power Co.
Lovelock	Humboldt	3,977	23	46.2	−5.0	77	24	11	16	51	21	0.17	−0.03	0.17	T.	1	24	3	3	s.	John R. Montgomery.
Metropolis §	Elko	5,661	4	38.0^a	......	66^a	24	7^a	3	36^a	8	0.66	+0.07	0.40	5.0	3	12	7	11	......	L. F. Hatch.
North Fork	do	6,500	......	......	......	......	......	......	......	......	8	1.44	......	0.40	21.0	6	5	7	18	s.	Chas. Pratt.
Paradise Valley	Humboldt	4,500	4	40.6	......	70	7	12	16	45	8	0.65	......	0.39	1.4	6	9	15	6	nw.	R. M. Taylor.
Potts	Nye	6,002	24	41.2	−2.3	65	6	12	17	38	26	1.04	+0.33	0.64	13.0	5	7	10	13	n.	Miss Maud Potts.
Tecoma	Elko	4,812	39	42.0	−4.8	76	26	8	†3	46	41	0.22	−0.37	0.16	2.0	2	4	24	2	w.	Southern Pacific Co.
Winnemucca	Humboldt	4,344	40	44.4	−2.7	74	24	15	16	40	48	0.68	−0.20	0.23	2.7	9	6	10	14	sw.	U. S. Weather Bureau.
Truckee Basin.																					
Franktown §	Washoe	5,054	2	......	......	......	......	......	......	......	2	......	......	......	......	......	......	......	......	......	Agent V. & T. Ry.
Marlette Lake**	do	7,900	2	27.6	......	50	24	5	1	29	4	1.54	......	0.78	14.5	8	15	7	8	sw.	V. & G. H. Water Co.
Reno	do	4,532	30	45.6	−1.7	76	24	20	16	42	30	0.28	−0.33	0.13	0.7	3	11	12	7	w.	U. S. Weather Bureau.
Bijou, Cal.		6,230	2	......	......	......	......	......	......	......	8	......	......	......	......	......	......	......	......	......	Chas. Young.
McKinney, Cal.**		6,225	......	......	......	......	......	......	......	......	8	3.15	......	0.76	10.0	10	15	7	8	w.	Henry Soll.
Tahoe, Cal.		6,230	9	34.2	......	59	†24	9	16	32	9	2.32	......	1.20	9.0	12	9	6	15	w.	Mrs. Emma C. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	23	47.6	−2.4	78	†7	19	3	46	23	0.12	−0.23	0.10	T.	2	17	5	8	sw.	U.S. Experiment Station.
Gardnerville	Douglas	4,830	26	45.1^e	−3.5	74^e	†24	18^e	†10	45^e	27	0.48	−0.13	0.34	T.	2	18^e	4^e	3^e	w.	Forest Service.
Lahontan**	Churchill	4,200	5	49.0	......	77	24	25	†1	35	7	0.09	......	0.04	0	3	11^a	9^a	9^a	w.	U.S. Reclamat'n Service.
Markleeville, Cal.		5,525	......	......	......	......	......	......	......	......	8	0.89	......	0.38	5.0	4	13	9	8	s.	Mrs. Mary Thornburg.
Woodfords, Cal.**		5,634	......	......	......	......	......	......	......	......	8	0.50	......	0.12	T.	5	17	9	4	sw.	Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	10	46.8	−4.6	80	25	15	16	50	21	0.30	−0.02	0.30	0	1	27	0	3	......	Southern Pacific Co.
Smith	Lyon	4,800	......	......	......	......	......	......	......	......	9	0.97	......	0.72	6.5	2	11	12	7	sw.	C. M. Carter.
Thorne §	Mineral	4,200	4	49.4	−1.2	80	16	24	3	49	4	T.	−0.29	T.	T.	0	0	23	7	w.	Southern Pacific Co.
Yerington §	Lyon	4,375	8	47.2	−2.2	78	24	20	†1	48	8	0.60	+0.38	0.50	1.0	2	25	0	5	sw.	W. F. Powers.
Bridgeport, Cal.		6,500	4	34.1	......	67	24	12	†4	42	6	0.30	......	0.30	6.0	1	17	7	6	w.	Geo. Delury, jr.
Shields Ranch, Cal.**		5,300	......	......	......	......	......	......	......	......	8	0.87	......	0.80	7.5	2	20	9	1	......	Bruce H. Chichester.
Colorado Basin.																					
Indian Springs §**	Clark	3,136	4	......	......	......	......	......	......	......	4	......	......	......	......	......	......	......	......	......	Ira McFarland.
Las Vegas	do	2,033	15	59.6	−0.2	95	25	31	10	48	15	0.18	−0.14	0.15	0	2	16	7	7	s.	C. P. Squires.
Logan §	do	1,355	10	59.2	−4.7	95	25	28	†1	54	18	0.32	+0.16	0.20	0	3	17	5	8	......	Experiment Farm.
Mt. Charleston**	do	9,000	......	......	......	......	......	......	......	......	2	......	......	......	......	......	......	......	......	......	E. W. Griffith.
Pioche	Lincoln	6,100	19	43.4	−4.3	75	†22	20	†9	39	19	0.18	−0.81	0.05	0.7	5	14	10	6	s.	L. H. Beason.
Minor Basins.																					
Belmont	Nye	8,540	17	......	......	......	......	......	......	......	17	......	......	......	......	......	......	......	......	......	Monitor-Belmont M. Co.
Cherry Creek	White Pine	6,450	9	38.3	......	70	†7	0	3	46	9	0.26	......	0.19	4.5	6	7	13	10	w.	L. F. Howard.
Duck Flat**	Washoe	4,725	......	......	......	......	......	......	......	......	3	0.14	......	0.08	0	2	10	11	9	w.	H. J. Muller.
Francis (near)	do	5,350	......	......	......	......	......	......	......	......	3	0.19	......	0.15	0.1	3	14	8	8	sw.	Geo. W. Barnard.
Gerlach	do	3,931	5	46.0	......	75	24	15	16	51	5	0.02	......	0.01	0.1	2	10	0	20	sw.	Western Pacific Co.
Goldfield	Esmeralda	5,700	10	45.9	−4.2	79	25	14	17	42	12	0.69	−0.03	0.29	1.0	4	23	2	5	n.	R. W. Robinson.
Hamilton	White Pine	7,800	11	......	......	......	......	......	......	......	16	......	......	......	......	......	......	......	......	......	Carl F. Muir.
Jungo	Humboldt	4,165	......	......	......	......	......	......	......	......	4	0.15	......	0.15	0	1	6	12	12	sw.	Western Pacific Co.
Lida §	Esmeralda	6,037	5	......	......	......	......	......	......	......	5	......	......	......	......	......	......	......	......	......	L. F. Detwiler.
McDermitt	Humboldt	4,700	6	41.4	−4.0	71	†7	18	15	38	30	0.35	−1.17	0.21	0	4	19	5	6	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	7	43.6	+0.6	74	24	17	3	42	7	1.42	+0.28	0.55	14.2	4	16	4	10	s.	R. E. Middagh.
Millett	Nye	5,040	9	42.7	......	75	7	12	15	52	10	0.19	......	0.12	4.0	3	11	6	13	......	Fred J. Jones.
Oak Springs**	do	5,900	......	......	......	......	......	......	......	......	1	......	......	......	......	......	......	......	......	......	Mrs. R. E. Bower.
Oasis Ranch §**	Esmeralda	5,106	5	47.5	−1.5	84	26	11	15	50	5	0.88	+0.41	0.48	11.0	2	23	0	7	......	Arthur L. Stewart.
Pahrump	Nye	2,608	4	......	......	......	......	......	......	......	4	......	......	......	......	......	......	......	......	......	F. M. Buol.
Quinn Riv. Ranch**	Humboldt	4,850	15	......	......	......	......	......	......	......	16	......	......	......	......	......	......	......	......	......	F. M. Payne.
Rebel Creek	do	4,300	5	44.2	......	74	7	18	16	42	6	0.94	......	0.33	0	8	4	10	16	sw.	Fred Whitaker.
Rhyolite	Nye	3,680	4	......	......	......	......	......	......	......	4	......	......	......	......	......	......	......	......	......	Secretary School Board.
Sand Pass**	Washoe	4,198	4	47.0	......	76	24	23	†3	40	4	0.25	......	0.13	T.	3	13	9	8	nw.	R. R. Mott.
Searchlight	Clark	3,445	4	58.0	......	86	25	35	†10	33	4	0.47	......	0.44	0	2	23	5	2	s.	C. L. Aug. Mahn.
Sharp	Nye	6,200	4	43.2	......	75	25	9	18	48	4	0.70	......	0.40	7.0	3	22^c	2^c	3^c	w.	F. A. Sears.
Sulphur	Humboldt	4,044	4	44.0	......	75	7	18	16	46	4	0.08	......	0.08	T.	1	7	17	6	sw.	Western Pacific Co.
Tonopah	Nye	6,090	12	43.3	......	71	25	19	15	30	12	1.22	......	0.94	10.3	5	14	12	4	nw.	U. S. Weather Bureau.
Vya	Washoe	5,500	......	......	......	......	......	......	......	......	4	0.44	......	0.20	0.6	5	18	5	7	w.	L. A. Mariette.
For the State		......	......	43.9	−3.1	95	25	− 6	†7	54	......	0.74	−0.12	1.15	4.5	4	13	8	9	sw.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Jack Creek, Tuscarora; of Mahoney Ranger Station, Jarbridge; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of McKinney, Hellman's, Lake Tahoe, Cal.; of Lahontan, Hazen; of Woodfords, Cal., Sheridan, Nev.; of Shield's Ranch, Coleville, Cal.; of Indian Springs, Las Vegas; of Mt. Charleston, Las Vegas; of Duck Flat, Sunkist; of Oak Springs, Las Vegas; of Oasis Ranch, Oasis, Cal.; of Quinn River Ranch, Amos; of Sand Pass, Sheepshead.

Reference letters, ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing, for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for April, 1917.

Stations.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Columbia Basin.																																
Gold Creek (near)													.06	.08		.11	.02			.08	.06	.02			.10	.20	.06	.05	T.	.02		0.86
Jack Creek																																
Mahoney Ranger Station ‖		.53						.25				.08		.10	.20	.10	.16	.02	.03							1.15	.62	.38		.06		3.68
Owyhee		.38							.17			.49		.27			.33	.08			.11	.16			.18	.11	.04			.35		2.67
San Jacinto	T.	.03												T.		.02	.02					T.				.18	.85	T.				1.10
Humboldt Basin.																																
Arthur		.34									.11			T.	.15	.19	.11	T.				.17				T.	T.	.43				1.53
Austin	T.	.12							.16						.10		.48	.10				.05				.17	.12	.40				1.70
Battle Mountain								.02																		.01	T.	.10				0.13
Beowawe		.10															.04									.10		.01				0.25
Clover Valley																																
Elko		.20																									T.	T.				0.20
Eureka	.01	.02							T.			.02				.30		.02				.05				.38	.02	.12				0.94
Golconda											.02			.01								.10			.10	.15	.05	.40				0.83
Hylton	T.	.27										T.			.21	T.	T.	T.				T.							.87			1.35
Imlay																						.40						T.		.20		0.60
Lamoille ‖	.16	T.				T.				T.		.18			.20		*	.15			T.					T.	.98	.11				2.28
Lovelock															T.							.17										0.17
Metropolis ‖		.16														T.										T.	.10	T.		.40		0.66
North Fork		.24															.10					.15				.20	T.	.30		.15		1.14
Paradise Valley		.39							T.		T.	.02		.08	T.	T.	T.	.01		T.	T.	.14								.01		0.65
Potts		T.							.16						.04	.12		.08										.64				1.04
Tecoma																.16									.06							0.22
Winnemucca***	T.	T.									.06			.11	T.		T.	.01			.04	.18			.01	.04	.02	.21				0.68
Truckee Basin.																																
Franktown																																
Marlette Lake ‖									.04		.78			.17		.08					.12	T.	.15					.11	.09			1.54
Reno ***		T.						T.			.11			.04	T.	T.	T.					T.					T.	.13				0.28
Bijou, Cal.																																
McKinney, Cal.		.34						.03			.42	.76		.32	.41		.08				.20	.28						.31				3.15
Tahoe, Cal. ‖		T.						.04	.05		.02	1.20		.06	.22	.05					.25	.15	.23					.04	.01			2.32
Carson Basin.																																
Fallon ‖															T.							.10						.02				0.12
Gardnerville															T.	.14	T.											.34				0.48
Lahontan													T.	.02								.03						.04				0.09
Markleeville, Cal.								T.			.38					.10					.03							.38				0.89
Woodfords, Cal.														.08	.10	.08						.12						.12				0.50
Walker Basin.																																
Mina																												.30				0.30
Smith															T.	.25	T.											.72				0.97
Thorne															T.	T.	T.	T.						T.	T.		T.	T.				T.
Yerington															.10	T.												.50				0.60
Bridgeport, Cal.														T.	T.	T.												.30				0.30
Shields Ranch, Cal.											T.					.07												.80				0.87
Colorado Basin.																																
Indian Springs ‖																																
Las Vegas																.15										.03						0.18
Logan																.10	.02												.20			0.32
Mt. Charleston																																
Pioche									.02							.05	T.	T.								T.	.03	.04	.04			0.18
Minor Basins.																																
Belmont ‖																																
Cherry Creek		.01														.01	.02									.01	.02	.19				0.26
Duck Flat											.06											.08										0.14
Francis (near)												.15		.02				.02														0.19
Gerlach																	.01											.01				0.02
Goldfield									.12						.02	.29												.26				0.69
Hamilton																																
Jungo												T.		T.			T.					.15						T.				0.15
Lida																																
McDermitt												.21					.02				.10				.02							0.35
McGill										.07					T.	.55											.45	.35	T.			1.42
Millett		.02														.12										T.	T.	T.	.05			0.19
Oak Springs																																
Oasis Ranch									T.							.48	T.													.40		0.88
Pahrump																																
Quinn River Ranch																																
Rebel Creek									.01			.16		.08		.02	.02	.02				.33					.30					0.94
Rhyolite																																
Sand Pass		T.										.05		T.								.13						.07	T.			0.25
Searchlight																.44	.03										T.					0.47
Sharp																*	.60											.10		T.		0.70
Sulphur												T.					T.					.08					T.	T.				0.08
Tonopah***									T.						.02	.70	.24									T.	.01	.25	T.			1.22
Vya ‖								.03			.20										.10	.05						.06				0.14

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

Daily Evaporation (inches) and Wind Movement (miles) for April, 1917.

(See temperature and precipitation data in Climatological Tables, pages 28 to 30.)

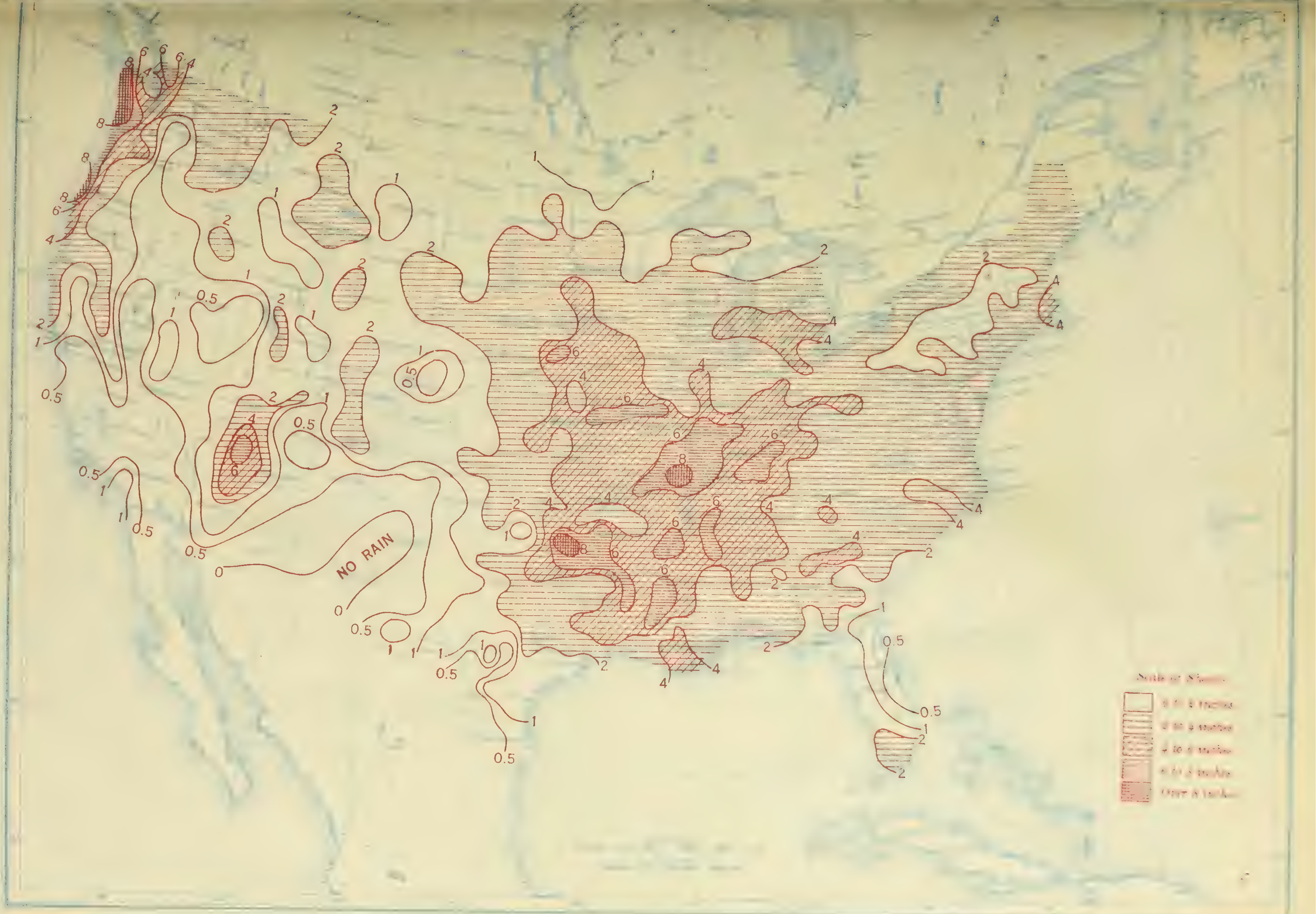
Stations.	Data.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Monthly.
Indian Springs*	Evaporation																																
	Wind movement																																
Lamoille*	Evaporation																																
	Wind movement																																
Marlette Lake.*	Evaporation																																
	Wind movement																																
Tahoe, Cal.**	Evaporation	.045	.015	.035	.050	.065	.095	.130	.255	.110	.035	.040	.220	‡	.250	.155	.005	.010	.000	....	.045			.105	.035	.035	.025	.030	.050	.120	.175	....	2.135
	Wind movement	90	67	95	9	89	93	46	143	118	72	118	94	19	35	222	110	70	148	7	60	66	10	57	80	88	76	68	43	111	67	....	2.841

* Observations taken at 7 a. m.; ** at 8 a. m. ‡ Included in next following entry.

Daily temperatures for April, 1917.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek (near)	Maximum	....	....	....	....	....	46	30	32	34	38	31	40	38	32	30	38	32	36	38	38	36	46	48	53	53	38	40	30	38	36	....	38.0
	Minimum	....	....	....	....	....	-5	-6	6	7	12	5	16	19	14	-6	15	25	14	15	30	32	34	28	28	28	30	28	23	28	30	....	18.0
Owyhee	Maximum	39	41	42	45	56	46	62	56	44	49	57	52	51	47	35	37	38	39	49	60	57	52	59	62	60	53	46	43	46	45	....	48.9
	Minimum	21	25	-1	13	38	22	29	38	21	36	36	31	28	25	21	17	25	26	24	39	44	45	41	34	42	35	34	29	25	32	....	29.2
San Jacinto	Maximum	38	32	40	55	54	57	61	67	56	50	61	57	51	57	40	37	39	42	50	61	60	60	63	65	65	52	43	42	47	51	....	51.8
	Minimum	21	20	10	29	27	28	26	31	29	19	20	34	17	30	25	16	15	22	26	27	30	38	40	33	37	35	32	29	29	37	....	27.1
Humboldt Basin.																																	
Austin	Maximum	40	48	44	59	60	59	67	62	46	50	59	54	55	48	31	38	44	41	50	59	....	66	62	69	67	59	45	40	47	57	....	52.6
	Minimum	21	34	38	33	35	30	35	35	26	25	25	29	23	25	15	18	11	23	20	33	....	33	32	38	41	33	29	28	25	33	....	28.5
Battle Mountain	Maximum	48	51	52	63	67	62	76	74	74	60	68	64	60	65	61	61	48	51	61	69	67	63	70	76	74	70	58	45	53	61	....	62.4
	Minimum	12	19	20	23	30	30	32	28	33	28	33	31	30	35	35	19	30	29	21	29	49	48	38	33	41	40	35	32	32	42	....	31.2
Elko	Maximum	40	41	50	55	65	65	73	62	65	62	55	62	65	62	61	55	54	45	46	46	52	67	71	72	75	60	61	64	45	61	....	58.6
	Minimum	25	25	26	21	26	26	31	26	26	25	25	24	24	24	23	21	22	25	24	25	25	27	31	33	35	29	30	28	23	36	....	26.4
Eureka	Maximum	42	42	43	61	66	58	71	67	57	55	62	59	60	52	39	39	42	42	52	62	67	57	66	73	74	61	46	50	48	59	....	55.7
	Minimum	20	25	15	20	30	25	30	45	31	25	27	29	30	29	20	20	21	20	21	32	37	37	32	34	40	32	31	30	24	32	....	28.1
Imlay	Maximum	50	53	54	66	66	65	75	70	67	60	62	65	64	54	52	49	43	40	40	67	76	75	70	61	61	60	59	58	57	61	....	60.0
	Minimum	15	43	19	19	28	28	28	30	34	30	19	31	30	28	18	15	12	10	25	30	40	45	40	38	37	34	30	28	25	33	....	28.1
Lamoille	Maximum	38	36	38	49	54	59	62	62	41	47	57	46	52	58	33	40	38	41	47	56	57	51	57	65	64	45	42	38	46	48	....	48.9
	Minimum	21	24	14	19	25	25	25	30	31	27	28	30	24	30	18	18	22	21	22	24	33	35	36	38	37	35	30	27	18	24	....	26.4
Paradise Valley	Maximum	39	39	43	54	61	66	70	57	47	52	57	50	53	48	37	43	47	55	55	60	55	52	62	67	67	56	54	49	52	55	....	53.4
	Minimum	22	28	19	22	27	28	25	35	32	21	25	32	21	26	20	12	17	19	15	23	40	40	41	43	37	34	33	31	26	36	....	27.7
Tecoma	Maximum	42	40	41	45	48	60	62	70	65	68	70	62	62	60	45	40	46	42	55	68	70	68	67	70	74	76	60	62	61	68	....	58.9
	Minimum	12	10	8	15	22	15	19	24	22	34	33	40	18	22	11	8	14	12	21	32	37	32	31	38	42	44	31	33	30	41	....	25.0
Winnemucca	Maximum	49	51	51	65	66	62	74	64	54	58	63	55	60	45	42	45	48	51	60	65	63	54	68	74	70	58	55	43	54	63	....	57.7
	Minimum	28	29	21	27	32	28	35	39	35	24	33	30	26	27	22	15	22	27	21	29	45	44	41	34	42	41	32	31	29	44	....	31.1
Truckee Basin.																																	
Franktown	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Marlette Lake	Maximum	34	27	30	39	40	44	43	35	36	37	39	33	36	20	25	30	30	31	38	39	40	38	45	50	47	44	42	27	37	38	....	36.5
	Minimum	5	18	20	20	21	17	20	28	7	12	22	17	11	16	13	8	13	12	11	17	24	30	33	33	25	29	24	20	12	21	....	18.6
Reno	Maximum	54	50	58	70	65	70	68	54	52	58	60	52	57	40	38	45	45	52	64	63	63	62	69	76	69	62	58	49	59	58	....	58.0
	Minimum	29	32	28	28	33	34	35	35	28	27	38	34	30	24	24	20	25	25	27	38	44	46	39	38	44	44	38	33	33	44	....	33.2
Tahoe, Cal.	Maximum	45	37	44	47	54	50	56	42	39	47	45	44	47	31	30	37	37	42	48	50	50	49	55	59	59	52	49	42	47	48	....	46.1
	Minimum	16	27	18	20	23	23	24	28	16	18	32	20	21	22	10	9	13	13	17	23	32	35	33	27	27	28	25	26	20	27	....	22.4
Carson Basin.																																	
Fallon §§	Maximum	54	56	55	67	74	66	78	66	56	62	70	61	62	46	39	48	51	53	64	70	69	61	72	77	78	63	59	54	63	66	....	62.0
	Minimum	26	36	19	23	30	31	32	44	35	28	34	38	27	30	26	20	23	24	24	33	48	50	39	38	47	43	41	34	37	39	....	33.3
Gardnerville	Maximum	....	55	57	67	70	67	70	....	65	58	65	59	64	59	....	45	50	52	62	66	68	....	69	74	74	69	62	57	....	65	....	62.8
	Minimum	....	19	20	22	26	27	28	....	25	18	35	33	22	35	...	19	21	18	21	29	41	...	31	33	34	35	30	32	....	30	....	27.4
Lahontan	Maximum	56	54	55	56	71	71	76	65	55	61	66	65	62	42	39	46	51	53	64	66	69	59	70	77	75	62	60	54	62	65	....	60.9
	Minimum	25	41	27	32	41	38	41	42	35	34	40	38	33	30	25	26	28	28	31	34	51	53	44	43	50	45	40	35	37	42	...	37.0
Walker Basin.																																	
Mina	Maximum	54	59	57	70	63	62	76	70	62	60	71	69	66	54	41	40	48	47	62	71	71	70	72	76	80	75	60	56	58	65	....	62.8
	Minimum	19	27	26	23	26	39	26	39	31	29	30	38	26	22	16	15	24	23	21	36	41	48	36	41	42	39	34	34	38	33	....	30.7
Yerington	Maximum	56	56	56	68	74	70	76	68	56	62	70	64	64	58	42	46	47	53	65	71	72	67	73	78	77	73	62	59	62	63	....	63.6
	Minimum	20	36	22	22	28	30	28	26	30	22	37	37	25	35	23	21	23	20	22	31	48	46	30	36	41	38	37	32	34	40	....	30.7
Bridgeport, Cal.	Maximum	44	42	44	43	51	44	53	35	41	36	42	40	44	36	35	28	31	45	47	50	50	49	56	67	60	55	50	34	51	50	....	45.1
	Minimum	17	26	20	12	18	21	22	35	21	20	27	30	20	21	13	18	12	15	25	27	32	22	23	25	28	33	34	29	18	29	....	23.1
Colorado Basin.																																	
Indian Springs	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Las Vegas	Maximum	70	76	68	74	83	87	85	87	70	72	86	85	83	76	65	59	60	70	72	79	80	80	88	92	95	90	78	73	72	80	....	77.8
	Minimum	39	36	45	32	40	45	45	42	40	31	38	46	44	35	35	43	37	33	35	40	39	42	44	48	48	48	54	52	46	39	....	41.4
Logan	Maximum	69	73	67	73	82	87	85	88	77	69	78	80	83	78	65	58	61	71	72	79	84	88	88	92	95	88	79	69	69	78	....	77.5
	Minimum	28	28	41	39	37	40	42	43	44	39	38	43	51	40	36	45	40	32	37	40	42	37	44	48	41	52	43	48	48	41	....	40.9
Pioche	Maximum	41	48	52	65	69	65	47	45	30	45	48	65	65	68	57	45	42	46	52	57	66	75	70	71	75	73	58	50	48	60	....	56.6
	Minimum	21	25	21	28	30	27	25	22	20	24	28	42	28	32	20	28	24	22	25	29	35	41	38	47	44	48	34	32	28	34	....	30.1
Minor Basins.																																	
Cherry Creek	Maximum	35	35	35	58	55	56	70	60	60	58	63	55	57	57	35	38	34	40	50	56	60	58	57	70	67	60	45	45	40	50	....	52.0
	Minimum	11	12	0	12	21	19	28	42	30	30	20	33	12	22	22	22	22	22	20	19	34	32	33	34	32	34	32	28	29	30	....	24.6
Gerlach	Maximum	52	54	54	65	68	65	73	69	60	60	58	54	58	53	51	48	48	53	62	63	65	61	71	75	71	68	59	50	60	63	....	60.4
	Minimum	30	28	20	24	35	31	22	41	29	23	19	35	31	31	25	15	21	25	27	33	44	45	43	46	42	40	39	32	30	40	....	31.5
Goldfield	Maximum	51	53	56	65	73	68	72	70	58	56	65	65	66	58	41	44	43	46	56	65	70	73	70	75	79	72	55	49	54	62	....	61.0
	Minimum	16	24	22	24	31	37	36	46	31	30	30	35	26	34	19	22	14	25	22	35	36	36	35	39	45	44	34	29	32	35	....	30.8
McDermitt	Maximum	42	44	48	60	62	58	71	63	56	54	57	50	53	49	40	44	46	45	57	63	57	57	66	71	63	53	49	45	52	49	....	54.1
	Minimum	20	20	21	28	34	28	33	36	26	27	31	29	24	27	18	21	19	22	25	31	40	40	38	37	40	31	30	30	24	35	....	28.8
McGill	Maximum	42	44	44	61	66	63	69	68	62	52	62	58	59	57	39	46	40	45	53	64	69	65	68	74	73	64	48	51	48	57	....	57.0
	Minimum	20	24	17	19	39	33	27	40	34	31	30	37	26	31	20	22	23	25	23	30	41	40	35	35	40	35	32	30	30	33	....	30.1
Millett	Maximum	48	48	49	64	68	65	75	70	59	57	67	59	62	57	42	41	43	46	56	66	70	64	67	74	73	63	53	45	54	64	....	59.0
	Minimum	26	31	20	17	21	40	23	43	33	24	21	37	19	22	12	20	15	18	18	23	24	35	25	30	38	38	28	27	28	35	..	26.4
Oasis Ranch	Maximum	44	65	67	58	75	70	77	73	68	59	72	69	70	61	55	50	47	49	60	70	74	78	75	81	72	84	62	64	57	52	....	65.3
	Minimum	14	25	25	32	25	33	30	39	32	25	26	36	26	25	11	25	23	26	24	34	25	35	34	40	42	45	35	34	32	34	....	29.7
Rebel Creek	Maximum	45	49	50	62	65	60	74	67	56	57	60	53	55	51	42	45	48	49	59	63	61	56	65	72	71	56	52	43	53	52	....	56.4
	Minimum	22	35	22	26	38	30	32	47	36	26	42	32	27	28	21	18	19	26	24	35	40	41	46	40	43	36	32	31	28	41	....	32.1
Rhyolite	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Sand Pass	Maximum	54	55	55	66	69	66	73	62	53	60	61	56	61	47	44	48	48	53	63	64	65	63	72	76	74	65	59	53	52	63	....	60.0
	Minimum	26	42	23	28	40	31	33	43	23	26	41	33	29	28	26	28	30	24	24	34	45	45	45	41	44	44	39	36	29	43	....	34.1
Searchlight	Maximum	59	69	63	64	78	77	78	80	70	60	71	76	76	68	55	50	52	58	63	71	79	80	80	84	86	80	70	66	64	73	....	70.0
	Minimum	39	39	41	39	51	52	45	51	45	35	43	51	52	50	39	37	35	35	42	44	51	53	54	59	64	57	49	45	41	44	....	46.1
Sharp	Maximum	44	44	56	57	69	62	70	67	64	54	65	65	66	60	60	62	40	40	50	62	69	70	68	72	75	64	60	55	58	62	....	60.3
	Minimum	12	16	20	16	21	28	35	34	34	30	24	34	32	26	13	22	15	9	13	22	34	30	32	40	40	42	29	25	28	29	....	26.2
Sulphur	Maximum	50	52	53	66	66	70	75	65	54	58	60	54	58	52	41	47	49	51	60	61	62	63	68	74	73	66	57	49	57	60	....	59.
	Minimum	20	25	20	24	29	28	29	35	25	22	31	35	27	29	24	18	20	23	25	30	31	42	43	38	39	37	32	35	27	30	....	29.1
Tonopah	Maximum	44	53	47	59	66	61	67	63	45	50	59	57	60	53	34	36	36	38	49	59	64	63	63	69	71	54	49	38	49	59	....	53.
	Minimum	22	31	25	32	42	37	40	42	29	27	37	38	35	23	19	21	21	23	29	36	40	41	41	43	48	37	30	30	29	36	....	32.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades
0 to 2 inches
2 to 4 inches
4 to 6 inches
6 to 8 inches
Over 8 inches
NO RAIN
0
0.5
1
2
4
6
8

Snowfall in the elevated regions of Nevada Section, April, 1917.

The snowfall for the entire season was greater than normal in the mountain districts, and the continued abnormally cold weather has prevented melting, so that the early run-off has been less than usual. Reports of present snowfall conditions and available records for past years indicate that the water in the snow cover at high elevations is greater than normal for this season of the year.

October was cold and unusually wet, and the snowfall in the mountains was much above the average. The snowfall for November was generally light, although it was moderate in the Truckee Basin. The December snowfall was unusually heavy, especially in the Sierras. The total fall for the month was 63 inches at two stations on the westerly edge of Lake Tahoe. For the month of January, the snowfall in the Sierras was less than during any other January since the establishment of the mountain snowfall service in 1909. The total for the month averaged only 14 per cent of the normal in the Truckee, Carson, and Walker Basins, while in the Humboldt Basin it averaged about 68 per cent of the normal. However, the snow cover at the close of January was somewhat greater than usual in the Humboldt Basin, and the depth in the other watersheds averaged only 28 per cent below normal, due to the heavy snows in December. Unusually heavy snowfall was recorded in February in practically all mountain districts. The amount in the Truckee Basin was nearly double the normal, and the snowfall in the other watersheds was generally more than the usual amount for that month. The amount of snow on the ground at the end of the month averaged about normal. The snowfall for March was heavier than usual in all watersheds, except that it was somewhat deficient at reporting stations in the Walker watershed. The depth of snow on the ground at high elevations on the last day of the month was generally greater than normal. The snowfall during April was near the normal. The indications are that there will be a normal flow of water in all streams during the coming season.

The level of Lake Tahoe on April 30, 1917, was 6,228.60 feet, which is .31 foot higher than its level on March 31, and 1.20 feet above the normal stage for April 30. The level of the lake on May 1, 1916 was 6,228.58 feet. On the basis of the "accumulative snowfall" method, the estimated maximum level that the lake would reach this summer with the gates closed is 6,229.66 feet.

SNOWFALL.

(Inches.)

Stations.	Counties.	Altitude.	Total snowfall.	Amount on ground on 15th of month.	Amount on ground on last day of month.	Depth on last day of month compared with normal.
Truckee Basin.						
Bijou, Cal	Eldorado	6,230	......	......	......	......
McKinney, Cal	Placer	6,225	10.0	53	26	+14
Marlette Lake	Douglas	7,900	14.5	69	54	+ 7
Tahoe, Cal	Placer	6,230	9.0	47	25	+15
Truckee, Cal	Nevada	5,818	......	......	0	0
Carson Basin.						
Markleeville, Cal	Alpine	5,525	5.0	0	0	0
Woodfords, Cal	do	5,634	T.	0	0	0
Walker Basin.						
Bridgeport, Cal	Mono	6,500	6.0	0	0	0
Shield's Ranch, Cal	do	5,300	7.5	0	0	0
Smith	Lyon	4,800	6.5	0	0	0
Humboldt Basin.						
Arthur	Elko	6,500	12.8	......	......	0
Beowawe	Lander	4,695	1.0	0	0	0
Eureka	Eureka	6,837	7.0	0	0	0
Hylton	Elko	7,081	6.0	0	0	0
Lamoille	do	6,100	......	......	......	......
Metropolis	do	5,661	5.0	0	0	0
Millett	Nye	5,040	4.0	0	0	0
North Fork	Elko	6,500	21.0	0	0	0
Winnemucca	Humboldt	4,344	2.7	......	0	0

T. indicates a trace.

Note.—This is the last bulletin of this season.

NE

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

ITY OF ILLINOIS LI
[illegible] 1917

CLIMATOLOGICAL DATA

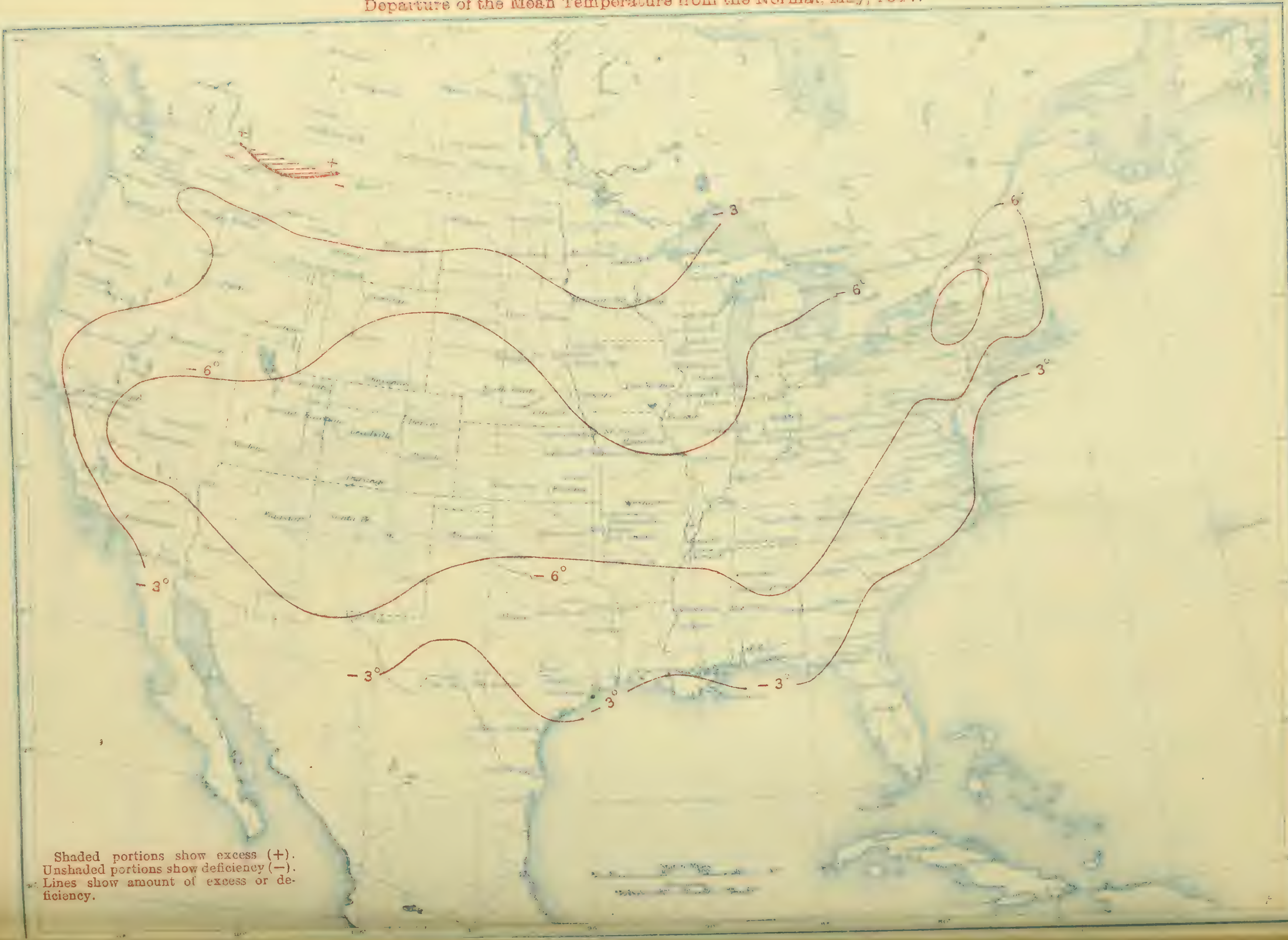
NEVADA SECTION

MAY, 1917

BY
HENRY F. ALPS
METEOROLOGIST

RENO, NEV.
WEATHER BUREAU OFFICE
JUNE 18, 1917.

Departure of the Mean Temperature from the Normal, May, 1917.



Shaded portions show excess (+).
Unshaded portions show deficiency (–).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALPS, Meteorologist.

Vol. XXXII. Reno, Nevada, May, 1917. No. 5.

GENERAL SUMMARY.

May was the eighth consecutive month with the mean temperature below normal in Nevada, and there have been only three colder Mays in the last 29 years. Killing frosts were general on the 16th, except in the extreme south portion where no frosts occurred during the month. Some damage was done to apples, cherries, plums, and garden truck, and this frost with continued cold weather retarded the growth of alfalfa and other vegetation. The precipitation was heavy in practically all sections of the State, and averaged slightly more than double the normal. The greatest amounts fell generally in the north portion, and the least moisture was recorded at places in Nye and Esmeralda Counties. It was well distributed through the month. The total wind movement was near the normal, and the percentage of the possible amount of sunshine was somewhat lower than normal.

While the persistence of cool weather caused all vegetation to be backward, this unfavorable condition was offset to some extent by the beneficial showers which fell at frequent intervals and put the soil in excellent condition for growing crops. At the close of the month winter wheat, spring grains, alfalfa, early potatoes, sugar-beets, fruit, and garden truck were in a thriving condition, although they were reported to be about three weeks later than usual. It was predicted that the melon crop in southern counties would be nearly a month behind the normal. There was an increased acreage of all important crops. Ranges, pastures, and meadows were in excellent condition. Stock was improving in all sections, and with the exception of a few localities, cattle and sheep were reported to be in good condition at the end of the month. The snow line was unusually low because of the heavy snowfall during the winter and the slow melting. There will be an ample supply of water during the coming season.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 42 stations, was 50.3°. The mean for the 26 stations having ten or more years' record was 3.8° below normal. The highest recorded was 97°, at Logan on the 14th; the lowest was 11°, at Mahoney Ranger Station on the 1st. The greatest daily range was 56°, at Battle Mountain on the 23d. The highest monthly mean was 65.8°, at Logan; the lowest was 35.0°, at Marlette Lake.

PRECIPITATION.

The average for 50 stations reporting was 2.05 inches. For the 28 stations having ten or more years' record, the mean was 1.34 inches above the normal. The average amount at 4 stations in the Columbia Basin was 2.45 inches; at 16 stations in the Humboldt Basin, 3.10 inches; at 5 stations in the Truckee Basin, 1.07 inches; at 5 stations in the Carson Basin, 1.13 inches; at 6 stations in the Walker Basin, 1.26 inches; at 3 stations in the Colorado Basin, 1.91 inches; at 18 stations in the minor basins, 1.40 inches. The greatest monthly fall was 5.79 inches, at Lamoille; the least was 0.05 inch at Oasis Ranch. The average number of days with precipitation was 8.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric pressure (sea level) Mean.	Highest.	Lowest.	Mean relative humidity 5 a. m.	5 p. m.	Wind. Average hourly velocity.	Max. velocity Miles per hour	Dir'n.	Date.
Reno	29.89	30.28	29.62	70	35	8.1	42	sw	14
Winnemucca	29.90	30.31	29.59	82	41	5.9	33	sw	15
Tonopah	29.83	30.27	29.57	66	36	11.1	42	nw	4

SUNSHINE AND CLOUDINESS.

At Reno, 68 per cent of the possible sunshine was recorded; at Winnemucca, 57 per cent; at Tonopah, 72 per cent. For the State, the average number of clear days was 11; partly cloudy, 9; cloudy, 11.

MISCELLANEOUS PHENOMENA.

(Dates of.)

Brisk winds.—4, 5, 6, 13, 14, 15, 16, 20, 27, 28, 30, 31.

Solar halos.—6, 16.

Lunar halos.—5.

Sleet.—18, 24.

Thunderstorms.—2, 6, 8, 9, 10, 11, 12, 19, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30.

Hail.—At Metropolis, 25, 29; Reno, 24; Gardnerville, 9, 27, 28; Cherry Creek, 12, 27; Sand Pass, 15.

Earthquakes.—At Fallon and Yerington, 11.

COMPARATIVE DATA FOR MAY.

Year.	Temperature. Mean.	Highest.	Lowest.	Average precipitation.	Average snowfall.	Number of days. With precipitation.	Clear.	Partly cloudy.	Cloudy.	Prevailing wind.
1889	57.8	106	20	1.44	3.6	5	13	8	10	sw.
1890	59.9	105	23	1.05	0.4	4	18	7	6	s.
1891	54.7	95	21	2.43	2.4	10	10	10	11	sw.
1892	53.8	100	13	1.17	6.6	6	12	10	9	w.
1893	52.6	98	18	0.41	0.8	3	16	7	8	sw.
1894	56.3	95	16	0.80	1.0	4	15	8	8	sw.
1895	56.1	105	18	0.55	2.5	4	13	9	9	sw.
1896	48.2	108	5	2.03	4.0	6	10	9	12	w.
1897	60.0	99	12	0.59	0.1	4	15	10	6	s.
1898	51.8	93	20	1.84	1.6	7	11	9	11	w.
1899	49.7	96	10	0.68	1.8	4	10	10	11	sw.
1900	56.6	101	20	0.77	0.5	3	16	5	10	w.
1901	56.2	94	19	0.86	1.2	4	13	8	10	sw.
1902	53.7	102	16	0.37	1.0	3	15	8	8	sw.
1903	54.1	106	15	0.70	2.4	3	16	7	8	sw.
1904	54.0	98	10	0.84	1.1	3	18	6	7	n.
1905	50.4	94	14	1.23	2.1	5	12	8	11	sw.
1906	53.1	98	14	1.38	0.6	5	13	8	10	w.
1907	51.8	99	13	0.56	0.9	3	13	10	8	w.
1908	49.9	99	7	1.01	3.3	5	12	10	9	w.
1909	52.8	100	10	0.18	0.3	2	15	10	6	w.
1910	58.9	114	11	0.21	1.3	1	21	6	4	w.
1911	50.6	97	16	0.45	0.6	2	13	10	8	sw.
1912	54.0	101	20	0.46	0.2	3	15	10	6	w.
1913	57.1	100	5	1.28	0.1	4	15	9	7	w.
1914	59.4	111	10	0.53	T.	3	15	11	5	w.
1915	53.2	103	12	1.34	2.0	6	9	12	10	w.
1916	52.2	101	11	0.48	1.9	2	17	8	6	w.
1917	50.3	97	11	2.05	1.2	8	11	9	11	nw
Entire period	54.1	114	5	0.95	1.6	4	14	9	8	w.

LATE REPORTS.

April, 1917.—Oak Springs, total precipitation, 1.19; no snowfall; number of days with precipitation, 2; clear, 23; partly cloudy, 3; cloudy, 4.

Bijou, mean temperature, 33.0°; highest, 65°, on the 25th; lowest, 1°, on the 16th; total precipitation, 0.78 inch; no snowfall; number of days with precipitation, 6; clear 7; partly cloudy, 10; cloudy, 13.

Climatological data for May, 1917.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days.				Prevailing direction of the wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	4	38.8	......	70	15	15	2	37	1	0.62	....	0.25	12.0	6	13	4	14	s.	U. S. Forest Service.
Mahoney Ran. Sta.**	do	6,200	2	43.6^k	......	77^k	13	11^k	1	55^k	2	4.50	....	1.48	6.0	15	10	3	18	......	Do.
Owyhee	do	5,400	6	47.5^k	......	77^k	14	25^k	5	37^k	6	3.11	....	0.79	8.0	10	9^k	6^k	5^k	n.	E. A. Schwab.
San Jacinto	do	5,200	12	47.3	−1.5	81	14	22	†5	42	12	1.57	+0.18	0.42	0	9	8	7	16	s.	Utah Construction Co.
Humboldt Basin.																					
Arthur	Elko	6,500	...	.....	.....	.....	.....	.....	.....	.....	7	3.84	+2.53	0.87	0	12	13	8	10	......	Isaac Woodhouse.
Austin	Lander	6,594	28	44.8	−5.8	73	13	23	5	35	28	4.30	+2.76	0.83	3.2	15	11	8	12	......	Forest Service.
Battle Mountain	do	4,513	46	55.2	−1.4	90	16	28	†4	56	48	.....	.....	.....	.....	.....	24	4	3	......	Southern Pacific Co.
Beowawe	Eureka	4,695	46	49.4	8.1	81	13	22	5	39	48	2.85	+2.22	0.80	0	11	2	19	10	n.	Do.
Clover Valley**	Elko	6,000	16	.....	.....	.....	.....	.....	.....	.....	24	.....	.....	.....	.....	.....	.....	.....	.....	......	I. F. Wiseman.
Elko	do	5,063	46	50.1	−3.7	86	14	20	†2	43	47	3.55	+2.57	1.00	0	13	8	3	20	nw.	Western Pacific Co.
Eureka	Eureka	6,837	19	46.1	−5.0	76	14	22	†5	41	21	5.73	+4.25	0.90	5.5	14	5	10	16	n.	Clay Simms.
Golconda	Humboldt	4,392	38	51.4	5.0	82	13	27	4	38	40	2.91	+2.15	1.50	0	7	0	25	6	w.	Southern Pacific Co.
Hylton	Elko	7,081	..	.....	.....	.....	.....	.....	.....	.....	7	4.36	....	1.44	0	10	14	9	8	......	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	4	50.4	−4.8	80	13	22	5	42	4	2.15	+1.54	0.67	0	10	3	0	28	nw.	Southern Pacific Co.
Lamoille	Elko	6,100	2	44.3	....	74	14	23	5	34	2	5.79	+3.95	0.89	......	16	16	5	10	nw.	Elko-Lamoille Power Co.
Lovelock	Humboldt	3,977	23	51.6	7.8	81	14	22	16	44	21	0.98	+0.63	0.34	0	5	14	1	16	n.	John R. Montgomery.
Metropolis §	Elko	5,661	4	45.2^f	....	75^e	†14	20^f	16	43^f	8	3.78	+2.82	0.67	0	11	9	4	18	......	L. F. Hatch.
North Fork	do	6,500	...	.....	.....	.....	.....	.....	.....	.....	8	3.31	....	0.98	9.0	7	2	10	19	s.	Chas. Pratt.
Paradise Valley	Humboldt	4,500	4	46.4	....	76	13	18	16	42	8	2.07	....	1.09	0.5	12	7	14	10	nw.	R. M. Taylor.
Potts	Nye	6,002	24	43.2	−7.8	72	14	18	5	42	26	0.51	−0.60	0.05	2.5	12	0	10	21	s.	Miss Maud Potts.
Tecoma	Elko	4,812	39	53.6	−0.4	78	16	20	3	44	41	1.01	+0.35	0.35	0	7	6	20	5	w.	Southern Pacific Co.
Winnemucca	Humboldt	4,344	40	50.1	−4.3	80	13	24	16	38	48	2.49	−1.46	1.41	0	13	11	4	16	sw.	U. S. Weather Bureau.
Truckee Basin.																					
Franktown §	Washoe	5,054	2	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	......	Agent V. & T. Ry.
Marlette Lake*	do	7,900	2	35.0	....	51	13	19	4	26	4	2.37	....	0.68	13.0	15	10	11	10	nw.	V. & G. H. Water Co.
Reno	do	4,532	30	50.6	−3.0	74	13	27	16	37	30	1.18	+0.39	0.44	T.	9	10	10	11	w.	U. S. Weather Bureau.
Bijou, Cal.		6,230	2	40.2	......	61	6	14	3	42	8	0.34	....	0.12	0	5	1	14	16	w.	Chas. Young.
McKinney, Cal.**		6,225	.....	.....	.....	.....	.....	.....	.....	.....	8	0.77	....	0.29	T.	8	20	4	7	w.	Henry Soll.
Tahoe, Cal.		6,230	9	40.6	....	61	13	20	16	34	9	0.71	....	0.17	1.0	14	7	11	13	w.	Mrs. Emma C. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	23	53.0	−2.7	84	13	27	†5	44	23	0.76	+0.06	0.20	0	12	15	4	12	nw.	U.S. Experiment Station.
Gardnerville	Douglas	4,830	26	49.9^g	−3.6	72^g	14	24^g	16	43^g	27	1.30	+0.63	0.54	0	10	13^g	4^g	7^g	w.	Forest Service.
Lahontan **	Churchill	4,200	5	53.2	....	81	13	32	16	35	7	0.96	....	0.38	0	6	11	13	7	w.	U.S. Reclamat'n Service.
Markleeville, Cal.		5,525	.....	.....	.....	.....	.....	.....	.....	.....	8	0.99	....	0.24	0	10	9	9	13	s.	Mrs. Mary Thornburg.
Woodfords, Cal. **		5,634	.....	.....	.....	.....	.....	.....	.....	.....	8	1.66	....	0.60	6.0	8	12	3	16	sw.	Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	10	54.5	4.3	86	31	29	3	48	21	0.99	+0.25	0.38	0	3	27	0	4	.....	Southern Pacific Co.
Smith	Lyon	4,800	.....	.....	.....	.....	.....	.....	.....	.....	9	1.76	....	0.71	0	7	6^a	8^a	16^a	sw.	C. M. Carter.
Thorne §	Mineral	4,200	4	61.2	+1.6	87	26	36	†7	59	4	0.60	+0.23	0.30	0	4	2	28	1	w.	Southern Pacific Co.
Yerington §	Lyon	4,375	8	52.6	−2.7	83	13	25	16	47	8	2.20	+1.78	0.65	0	8	24	0	7	sw.	W. F. Powers.
Bridgeport, Cal.		6,500	4	40.4	....	62	29	18	16	40	6	0.78	....	0.30	1.5	4	9	15	7	w.	Geo. Delury, jr.
Shields Ranch, Cal. **		5,300	.....	.....	.....	.....	.....	.....	.....	.....	8	1.23	....	0.40	2.0	8	18	7	6	s.	Bruce H. Chichester.
Colorado Basin.																					
Indian Springs §**	Clark	3,136	4	.....	.....	.....	.....	.....	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	Ira McFarland.
Las Vegas	do	2,033	15	64.3	−2.6	96	14	39	1	46	15	0.84	+0.78	0.43	0	3	17	8	6	s.	C. P. Squires.
Logan §	do	1,355	10	65.8	−5.6	97	14	39	26	45	18	0.58	+0.48	0.37	0	2	14	6	11	......	Experiment Farm.
Mt. Charleston **	do	9,000	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	E. W. Griffith.
Pioche	Lincoln	6,100	19	50.0	−4.9	81	15	28	5	38	19	4.30	+3.48	1.10	T.	12	15	3	13	se.	L. H. Beason.
Minor Basins.																					
Cherry Creek	White Pine	6,450	9	43.4	......	72	15	18	5	43	9	1.74	....	0.67	0	9	9	11	11	w.	L. F. Howard.
Duck Flat	Washoe	4,725	.....	.....	.....	.....	.....	.....	.....	.....	3	0.77	....	0.23	0	9	12	8	11	nw.	H. J. Muller.
Francis (near)	do	5,350	.....	.....	.....	.....	.....	.....	.....	.....	3	0.89	....	0.35	0	8	14	14	3	sw.	Geo. W. Barnard.
Gerlach	do	3,931	5	52.0	......	79	13	23	16	12	5	1.20	....	0.50	0	4	8^g	0^g	16^g	sw.	Western Pacific Co.
Goldfield	Esmeralda	5,700	10	51.0	−5.0	77	14	29	16	37	12	1.13	+0.60	0.41	0	8	18	1	12	n.	R. W. Robinson.
Hamilton	White Pine	7,800	11	.....	.....	.....	.....	.....	.....	.....	16	.....	.....	.....	.....	.....	.....	.....	.....	.....	Carl F. Muir.
Jungo	Humboldt	4,165	.....	.....	.....	.....	.....	.....	.....	.....	4	1.26	....	0.50	0	4	1	23	7	sw.	Western Pacific Co.
Lida §	Esmeralda	6,037	5	.....	.....	.....	.....	.....	.....	.....	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	L. F. Detwiler.
McDermitt	Humboldt	4,700	6	48.0	−5.6	78	10	22	5	44	30	2.39	+0.77	0.77	0	10	14	8	9	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	7	48.4	−2.6	78	14	24	5	35	7	3.22	+1.93	0.47	......	12	6	11	14	n.	R. E. Mildagh.
Millett	Nye	5,040	9	48.0	......	79	†13	22	†5	47	10	0.73	....	0.19	0	9	9	4	18	......	Fred J. Jones.
Oak Springs **	do	5,900	.....	.....	.....	.....	.....	.....	.....	.....	1	2.32	....	0.60	0	10	17	1	13	......	Mrs. R. E. Bower.
Oasis Ranch §**	Esmeralda	5,106	5	54.4	−0.8	85	14	30	16	44	5	0.05	−0.58	0.05	0	1	17	1	10	n.	Arthur L. Stewart.
Pahrump	Nye	2,608	4	.....	.....	.....	.....	.....	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	F. M. Buol.
Quinn Riv. Ranch **	Humboldt	4,850	15	51.6^h	2.0	81^h	30	22^h	15	43^h	16	0.46	−0.01	0.27	0	5	8^h	4^h	11^h	n.	F. M. Payne.
Rebel Creek	do	4,300	5	50.0	....	78	†13	24	16	44	6	3.26	....	1.03	0	8	3	19	9	n.	Fred Whitaker.
Rhyolite	Nye	3,680	4	.....	.....	.....	.....	.....	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	Secretary School Board.
Sand Pass **	Washoe	4,198	4	52.4	....	76	†13	25^a	16	39^a	4	0.80	....	0.63	0	4	9	7	15	nw.	R. R. Mott.
Searchlight	Clark	3,445	4	61.5	....	89	14	40	26	30	1	1.09	....	0.37	0	7	17	5	9	s.	C. L. Aug. Mahn.
Sharp	Nye	6,200	4	.....	.....	.....	.....	.....	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	F. A. Sears.
Sulphur	Humboldt	4,044	4	52.9	......	79	12	25	5	38	4	1.50	....	0.33	T.	6	1	23	7	sw.	Western Pacific Co.
Tonopah	Nye	6,090	12	48.2	....	72	13	30	5	30	12	0.39	....	0.13	T.	5	12	10	9	nw.	U. S. Weather Bureau.
Vya	Washoe	5,500	.....	.....	.....	.....	.....	.....	.....	.....	4	1.94	....	0.40	0.1	8	15	6	10	sw.	L. A. Mariette.
For the state				50.3	−3.8	97	14	11	1	56	...	2.05	+1.34	1.50	1.2	8	11	9	11	nw.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

Post-office addresses of these stations are as follows: Of Mahoney Ranger Station, Jarbridge; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of McKinney, Hellman's, Lake Tahoe, Cal.; of Lahontan, Hazen; of Woodfords, Cal., Sheridan, Nev.; of Shields Ranch, Coleville, Cal.; of Indian Springs, Las Vegas; of Mt. Charleston, Las Vegas; of Duck Flat, Sunkist; of Oak Springs, Las Vegas; of Oasis Ranch, Oasis, Cal.; of Quinn River Ranch, Amos; of Sand Pass, Sheepshead.

Reference letters, ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing, for example, ^{b} represents two days missing, etc.

† Also on other dates. ** Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for May, 1917.

Stations.	Day of month																															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	[illegible]
Columbia Basin.																																
Gold Creek (near)							.25			T									.16			T			.07	.08	.02	.01	T			[illegible]
Mahoney Ranger Station ‖	.44						.54				.05		.05		*	*	*	*	*	.80			.05	.12	[illegible]	[illegible]		[illegible]				[illegible]
Owyhee	.72						.79				.30							.08	.02								*	*	1.20			3.11
San Jacinto	.05																	.15	.05		.22	.20	.11	.12		T	[illegible]	[illegible]				[illegible]
Humboldt Basin.																																
Arthur	.16						.39				.20	.31						.17	.11	T	T	.12	T	.19	.87	T	.12	.57	.63	T		3.84
Austin		T						.19	.12		.15							.62	.28	.30		.03	.35	.50	.83	.10		.35	.02	.11	.02	[illegible]
Battle Mountain																																
Beowawe							.10		.10		.10							.50	.10			.10	.80	.10	.50	.25			.20			[illegible]
Clover Valley																																
Elko							1.00				.20	.25					*	*	.85	*	*	*	.70	*	*	[illegible]						[illegible]
Eureka		.70					.22		.90		.20							.11	.68			.80		.53	.61	.39	[illegible]	.01	.01	.11		[illegible]
Golconda							.28					.03										.50	1.50	.10	.40					.10		2.91
Hylton							.33		.05			.55						*	1.11			.38	.25		.80	.26			.30			[illegible]
Imlay							T					T	.39	T					.10	.11	.05	.67	.13	.11	.35			.18		.03		2.12
Lamoille ‖‖	*	.18					*	.75			.18							*	.70	.61		.20	*	.61	.27	.77	.63	*	.89			5.79
Lovelock																						.50	.28	.05	.31			.01				[illegible]
Metropolis ‖‖	.15	.10					.50				T	.10						.65	.15		T	T	.38	.20	.40	.67	T	T	.18			[illegible]
North Fork							.98				.62							.60					.50	.33	.12			.16				3.31
Paradise Valley	.22		T				T		.01		.11	.04			.01			.01	T		.01	.03	1.09	.45	T	.03		.03	T	T		2.07
Potts							.05	.05	.03	.05	.04							.05	.05	.05		.03	.01	.02		.05		T	T	T		[illegible]
Tecoma	.03							.04														.03		.35	.18		.23		.15			1.01
Winnemucca***						T	.10		.04	T	.10	.06					.01	.02	.03			.47	1.13	.11	.14		T	.03	T	T		2.19
Truckee Basin.																																
Franktown																																
Marlette Lake ‖‖							.03	.11	.11	.29	.02	.03						.08		.09			.18	.13	.68	.26		.29	.02		.02	2.37
Reno***		T					.01		.44	.02	T						.01	T	.11			.05	.12	.27	T		.15	T	T			1.18
Bijou, Cal.	T						.04	.05	T	.12	T								T			.01	.09					T				0.34
McKinney, Cal.							.01			.07	.01						.10		T				.29	.24	.03		.02	T				0.77
Tahoe, Cal. ‖‖		.01					.01		.01	.15							.06	.10		.01	.02	.01	.09	.17	.03		.03	.01				0.71
Carson Basin.																																
Fallon ‖							.03	.02	.01	.15	.02									.04			.03	.20	.09	.15	.01		.01			0.76
Gardnerville							.03		.02	.29	.02											.03	.24	.10	.04		.54	.02				1.30
Lahontan		T					.15		.18										.08			T	T	.38	.12		T	.05				0.96
Markleeville, Cal.							.24	.02			.07						.08					.10	.02	.14			.08	.22		.02		0.99
Woodfords, Cal.							.20									.06		.12		T		.16	.60	.32	T	T	T	.12	.08			1.66
Walker Basin.																																
Mina									.26									.38						.35								0.99
Smith							.17	T	.71									.12			T	.41	.15	.10	.10	T	T					1.76
Thorne							.07	T	T									.30	T					.20	T	T	.03					0.60
Yerington							.25		.30									.20				.20	.65	.30		.20		.10				2.20
Bridgeport, Cal.							.25			.01							T						.22		T			.30				0.78
Shields Ranch, Cal.							.40	.12		.25							.02		T				.05	.07	T		.28	.04				1.23
Colorado Basin.																																
Indian Springs ‖‖																																
Las Vegas								.37	.04									T						.43					T	T		0.84
Logan							T	.37																						.21		0.58
Mt. Charleston																																
Pioche							.50	.52	T	.02	.45							.25	.25	T			1.10	.30	.50	.01			.10	.30		4.30
Minor Basins.																																
Cherry Creek		.02						T	T		.01	T							T			.55	.06		.67		.25	.08	.06	.04		1.74
Duck Flat	.09							.03		.14	.10						.23		.03	.04		.01		.10								0.77
Francis (near)										.05	.10						.02	T		.21	.10		T	.35		.04	T		.02			0.89
Gerlach																		.50	.50			.10	.10									1.20
Goldfield							.29		.08	.02	.41							.12				.03	.07	.10								1.13
Hamilton																																
Jungo	T						.20															.45	.50	.11								1.26
Lida																																
McDermitt	.21							.18			.20	.05								.09		.20	.77	.64		.02			.03			2.39
McGill		.21				.42	T				.36	T					T	.24	.36			.40	.11	.12	.15	.10	.47		.28			3.22
Millett	T						.10		.02		.03							.16	T			.06	.05	T	.19	T		.07		.05		0.73
Oak Springs						T	.60	.10	.30	.04	T							.33	.05	.02			T	.44	.39		.05					2.32
Oasis Ranch																							T	.05	T							0.05
Pahrump																																
Quinn River Ranch										.06	.27					.03					.05	.05										0.46
Rebel Creek	.34	.01								.09	.40	.08										.30	1.01	1.03								3.26
Rhyolite																																
Sand Pass		T							T	.02					T			.09	.06			.63					T					0.80
Searchlight								.09	.10									.37	.28	.06				.13							.06	1.09
Sharp																																
Sulphur	T								*	.65					T				T			.28	.27	.05	.25					T		1.50
Tonopah***						T	T	.13	T		.11							T	T			T	T	.06	.04	.05			T			0.39
Vya ‖	.04							.10	.30	.40	.20						.30		.30									.30				1.94

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. ‖ Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

Daily evaporation (inches) and wind movement (miles) for May, 1917.

(See temperature and precipitation data in climatological tables, pages 36 to 38.)

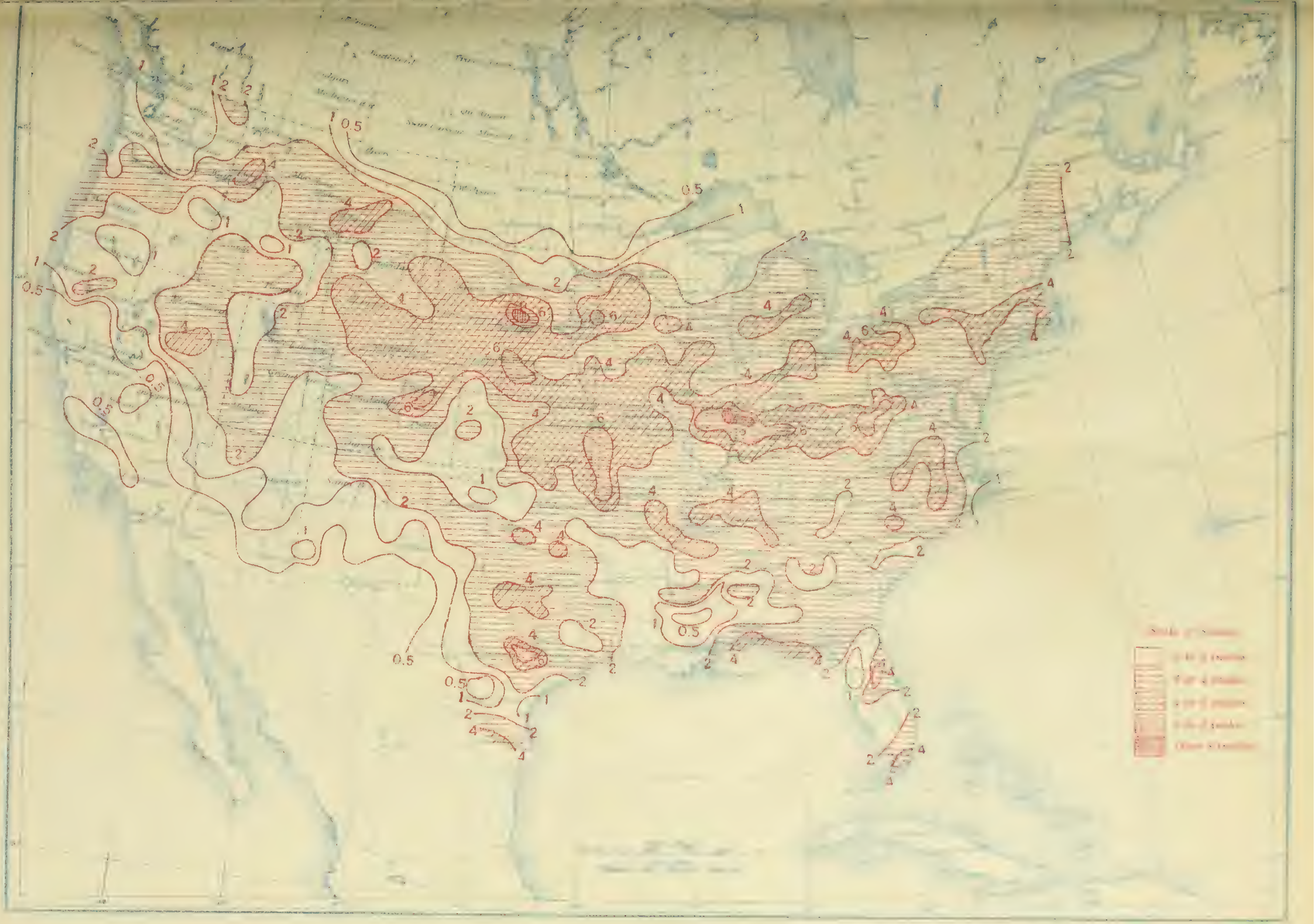
Stations.	Data.	Day of month.																														Monthly.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Indian Springs*	Evaporation																																
	Wind movement																																
Lamoille*	Evaporation																																
	Wind movement																																
Marlette Lake.*	Evaporation																																
	Wind movement																																
Tahoe, Cal.**	Evaporation	.075	.150	.085	.105	.060	.105	.195	.065	.030	.010	.065	.070	.085	.065	.085	.110	.150	.045	.035	.055	.145	.160	.030		.050	.020	.100	.105	.060	.125	.125	2.565
	Wind movement	61	71	18	68	71	93	108	111	88	88	55	87	97	106	93	68	119	118	69	60	125	92	42	65	46	67	74	67	85	84	37	2,433

* Observations taken at 7 a. m.; ** at 8 a. m. ‡ Included in next following entry.

Daily temperatures for May, 1917.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek (near)	Maximum	36	40	44	43	43	49	42	50	51	49	43	53	63	66	70	50	48	45	43	47	47	46	42	45	42	46	44	56	57	46	45	48.1
	Minimum	28	15	20	23	20	29	29	30	30	30	29	30	36	37	33	26	25	24	31	32	31	32	32	34	34	36	34	33	37	32	27	29.6
Owyhee	Maximum	48	48	56	51	53	60	60	58	63	64	64	63	74	77	61	64	56	53	54	56	...	...	...	...	...	...	...	...	...	...	...	59.2
	Minimum	31	26	32	29	25	34	33	41	35	37	44	42	49	52	40	27	37	37	32	33	...	...	...	...	...	...	...	...	...	...	...	35.8
San Jacinto	Maximum	42	51	59	54	55	64	61	64	60	69	62	71	77	81	74	57	66	57	51	56	54	57	57	53	58	62	63	61	56	60	56	60.3
	Minimum	32	30	24	29	22	22	32	30	35	28	29	41	41	40	41	28	24	38	34	35	33	39	39	40	43	43	42	44	38	32	36	34.3
Humboldt Basin.																																	
Austin	Maximum	53	48	58	58	56	60	55	56	54	60	55	66	73	72	65	59	58	51	48	44	54	49	44	49	43	54	60	62	60	56	55	56.0
	Minimum	38	32	28	35	23	35	31	34	35	34	35	34	44	47	38	24	33	32	32	32	30	34	32	35	32	32	36	36	35	35	32	33.7
Battle Mountain	Maximum	59	59	65	62	65	68	70	73	72	74	64	84	82	87	85	90	75	78	80	75	82	78	85	64	54	65	78	80	80	74	78	73.7
	Minimum	40	35	29	28	28	30	32	40	40	41	50	43	44	45	44	42	36	40	39	40	35	30	29	29	40	37	30	31	42	34	32	36.6
Elko	Maximum	66	60	65	60	65	65	55	60	65	64	65	70	80	86	75	65	65	61	64	65	64	65	65	62	60	66	68	71	72	71	71	66.3
	Minimum	23	20	22	20	25	23	23	28	34	32	35	40	44	45	34	22	34	40	43	40	39	38	40	40	42	44	44	34	34	34	34	33.9
Eureka	Maximum	60	50	60	56	55	65	57	62	57	66	61	67	73	76	68	63	66	51	51	46	57	48	52	57	48	52	58	60	63	57	57	58.7
	Minimum	34	30	25	37	22	29	32	33	35	33	38	37	43	50	43	22	32	35	34	32	31	32	30	34	33	33	35	37	34	35	30	33.5
Imlay	Maximum	60	59	65	64	64	65	68	68	69	68	70	75	80	75	65	58	54	58	58	57	59	62	64	60	61	61	71	70	72	68	69	65.1
	Minimum	30	31	28	27	22	34	38	39	40	41	42	45	46	40	32	28	32	33	31	34	35	33	40	41	40	34	36	40	42	37	38	35.8
Lamoille	Maximum	44	49	54	45	52	59	47	58	59	61	58	62	72	74	55	54	61	45	50	49	50	48	46	52	47	49	61	60	57	53	53	54.3
	Minimum	32	30	31	33	23	27	32	33	35	36	37	38	39	49	50	25	27	33	36	32	36	33	35	32	36	33	38	37	38	34	32	34.3
Paradise Valley	Maximum	46	51	58	53	64	66	59	63	63	67	58	66	76	75	66	60	58	55	51	53	56	53	50	53	55	57	63	65	65	59	59	59.5
	Minimum	30	24	22	32	33	35	37	44	31	35	38	38	36	35	31	18	28	29	25	34	36	35	33	37	37	39	36	40	39	34	32	33.3
Tecoma	Maximum	64	68	72	67	68	71	69	72	70	72	70	72	74	70	73	78	70	72	71	68	70	68	70	76	67	72	70	74	70	68	69	70.5
	Minimum	32	40	20	38	24	32	28	41	38	43	41	39	43	41	38	44	40	43	44	40	41	28	24	39	28	38	41	39	42	34	37	36.8
Winnemucca	Maximum	46	57	65	56	61	70	57	67	65	68	62	70	80	79	52	61	58	56	59	56	61	60	45	55	56	62	69	70	69	65	64	62.0
	Minimum	37	33	29	34	26	42	38	43	41	38	45	40	42	44	29	24	36	35	32	40	41	41	40	42	42	40	41	44	47	42	37	38.2
Truckee Basin.																																	
Franktown	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Marlette Lake	Maximum	37	41	44	45	46	46	37	45	44	47	40	48	51	48	31	42	32	38	36	44	43	43	44	34	31	45	48	48	47	49	47	42.6
	Minimum	27	30	21	19	24	27	26	26	30	31	32	31	34	36	20	22	28	21	23	25	23	30	30	31	25	24	28	32	34	30	32	27.5
Reno	Maximum	59	58	64	65	66	67	58	66	62	68	62	69	74	69	49	64	51	58	52	59	63	62	62	55	50	64	65	67	69	69	67	62.4
	Minimum	42	36	34	37	29	41	40	43	43	40	44	36	40	45	34	27	39	34	35	38	33	41	43	39	35	37	44	40	47	44	40	38.7
Tahoe, Cal.	Maximum	48	49	52	54	55	55	47	53	53	52	58	59	61	56	41	54	40	47	44	52	55	49	53	43	40	55	57	60	57	60	58	52.2
	Minimum	30	24	24	23	23	29	30	30	35	32	31	27	35	38	25	20	29	24	27	30	27	30	33	35	27	28	31	30	33	30	29	29.0
Carson Basin.																																	
Fallon §§	Maximum	67	61	69	65	65	74	58	68	68	70	68	76	84	82	57	65	64	61	62	60	66	62	63	56	54	66	73	73	73	70	67	66.7
	Minimum	42	39	30	38	27	37	40	37	42	39	50	36	40	41	41	27	42	40	35	40	31	38	44	44	41	41	41	40	51	43	43	39.4
Gardnerville	Maximum	60	61	62	64	...	...	70	62	67	66	66	69	...	72	62	63	63	59	57	...	65	62	63	60	63	...	...	68	68	...	68	64.2
	Minimum	43	29	30	29	...	...	27	36	41	41	40	31	...	42	40	24	41	35	30	...	30	40	40	41	30	...	...	38	39	...	37	35.6
Lahontan	Maximum	63	65	67	64	63	72	58	66	65	67	69	73	81	80	63	64	60	61	59	61	64	63	63	57	50	65	70	70	72	69	67	65.5
	Minimum	35	36	37	37	35	41	40	43	42	44	44	41	46	48	40	32	38	40	40	41	39	38	42	42	40	43	45	44	45	49	42	40.9
Walker Basin.																																	
Mina	Maximum	68	72	68	69	65	73	66	65	66	72	76	74	85	85	78	69	69	61	62	60	67	65	64	58	53	62	75	70	76	82	86	69.7
	Minimum	41	24	29	50	35	36	38	42	40	38	39	42	45	58	42	38	36	32	34	36	34	43	42	41	33	40	45	42	41	40	42	39.3
Yerington	Maximum	66	58	70	68	65	75	73	65	64	70	68	76	83	82	73	67	68	58	57	62	66	63	60	62	49	67	70	69	74	70	67	67.3
	Minimum	43	40	32	31	26	35	34	41	41	42	44	33	36	42	44	25	41	30	37	36	32	41	40	43	33	40	45	40	46	45	40	38.0
Bridgeport, Cal.	Maximum	33	54	55	52	57	52	47	54	47	55	48	50	54	50	48	58	48	56	50	52	55	55	44	48	35	55	60	48	62	59	60	51.6
	Minimum	27	24	26	23	19	25	33	35	33	34	36	25	27	35	40	18	29	20	28	28	30	28	34	32	22	33	33	35	38	26	32	29.3
Colorado Basin.																																	
Indian Springs	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Las Vegas	Maximum	85	76	74	76	80	80	72	68	78	82	88	88	94	96	88	87	82	73	75	75	82	84	84	65	69	78	80	80	85	85	87	80.
	Minimum	39	44	44	43	43	44	43	43	44	43	45	44	55	56	52	49	48	57	51	50	49	50	50	52	50	50	51	52	52	49	49	48.
Logan	Maximum	85	82	87	87	77	79	73	69	75	82	85	88	94	97	92	85	89	78	73	71	82	85	83	74	71	78	86	88	87	85	82	82.
	Minimum	41	50	54	43	44	44	46	50	46	54	54	59	55	54	54	52	44	58	48	44	41	50	54	56	53	39	46	46	45	53	51	49.
Pioche	Maximum	69	63	60	65	60	68	63	50	58	61	65	68	73	80	81	71	70	65	60	51	65	66	55	50	47	59	67	69	67	65	58	63.
	Minimum	39	36	34	37	28	35	33	34	33	35	35	38	41	42	45	36	39	37	36	35	36	42	35	34	33	32	37	38	39	42	38	36.
Minor Basins.																																	
Cherry Creek	Maximum	52	50	63	57	58	55	48	55	54	55	50	60	70	70	72	60	55	55	45	57	55	54	48	50	47	46	54	60	55	55	55	55.
	Minimum	35	30	20	30	18	20	32	35	30	28	30	35	32	40	40	24	20	35	33	32	29	28	30	37	34	36	34	37	34	38	30	31.
Gerlach	Maximum	55	60	67	67	69	72	66	68	69	73	74	73	79	78	66	63	63	60	61	58	64	63	61	62	64	70	70	68	70	72	77	67.
	Minimum	32	28	28	37	39	42	38	26	38	35	36	36	39	38	32	23	47	31	32	36	34	41	42	41	40	42	45	42	42	40	35	36.
Goldfield	Maximum	67	59	67	64	61	69	60	59	54	67	67	69	76	77	70	66	69	60	58	57	64	59	57	53	49	64	68	69	72	65	64	63.
	Minimum	40	33	31	38	31	35	40	39	38	35	39	37	47	53	48	29	35	38	31	37	31	41	38	36	33	37	42	39	42	45	39	38.
McDermitt	Maximum	45	55	61	52	61	71	62	63	66	78	55	67	76	76	69	68	55	57	55	55	60	56	49	52	57	63	67	70	67	65	63	61.
	Minimum	32	28	29	24	22	39	37	34	38	41	37	37	36	32	42	30	23	32	32	31	37	33	40	40	34	37	41	37	40	34	28	34.
McGill	Maximum	60	56	61	62	56	59	65	62	59	63	60	67	75	78	74	64	69	61	55	49	61	55	58	56	48	54	63	65	60	58	59	61.
	Minimum	40	33	27	34	24	30	33	37	39	34	36	40	43	45	49	29	34	39	39	35	34	35	27	35	36	37	36	38	37	39	33	35.
Millett	Maximum	64	55	64	61	60	68	60	68	60	68	66	72	79	79	67	65	69	53	53	57	61	55	56	60	52	63	71	67	68	58	60	63.
	Minimum	40	31	25	31	22	32	36	39	30	31	33	29	38	49	44	24	22	34	27	30	24	34	31	31	36	35	38	37	35	40	33	32.
Oasis Ranch	Maximum	74	65	76	72	62	77	67	70	72	77	74	80	84	85	77	72	75	61	62	64	72	64	65	58	51	69	74	75	75	69	66	70.
	Minimum	36	35	32	37	34	33	41	45	38	42	40	38	45	49	47	30	33	41	32	38	32	37	42	36	31	35	40	43	41	46	39	38.
Rebel Creek	Maximum	50	58	63	60	63	68	69	70	67	74	59	67	78	78	75	58	57	61	55	56	62	57	49	57	58	63	70	72	68	63	65	63.
	Minimum	31	30	28	29	28	41	36	38	39	40	43	37	42	42	31	24	34	34	36	38	39	37	40	35	37	40	40	43	46	38	36	36.
Rhyolite	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sand Pass	Maximum	54	59	67	65	66	71	63	70	62	71	68	73	76	72	59	64	59	60	57	60	65	62	63	61	62	66	73	76	73	70	69	65.
	Minimum	40	28	32	40	32	46	40	42	48	40	...	36	43	42	34	25	39	34	33	36	34	36	44	44	40	46	41	44	49	47	41	39.
Searchlight	Maximum	76	72	76	80	70	72	76	60	65	72	75	81	85	89	83	79	80	71	61	66	77	74	71	64	62	70	76	79	76	74	72	73.
	Minimum	50	52	51	54	47	47	52	44	44	46	51	52	59	62	58	50	53	43	42	45	49	52	48	45	41	40	49	54	47	51	50	49.
Sharp	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sulphur	Maximum	63	68	65	64	63	69	62	68	70	68	64	79	78	78	71	62	60	60	59	60	64	61	57	59	61	63	70	73	72	71	73	66.
	Minimum	34	37	28	32	25	33	42	40	39	43	51	45	43	58	42	26	26	32	38	39	40	44	43	44	42	39	42	45	45	46	42	39.
Tonopah	Maximum	61	52	59	56	56	63	50	56	52	62	62	64	72	71	60	60	64	49	54	51	58	55	56	51	47	57	62	65	66	58	59	58.
	Minimum	38	33	36	36	30	42	36	37	39	40	45	43	48	52	35	30	42	32	34	34	36	38	38	34	33	35	43	40	43	42	37	38.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.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WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

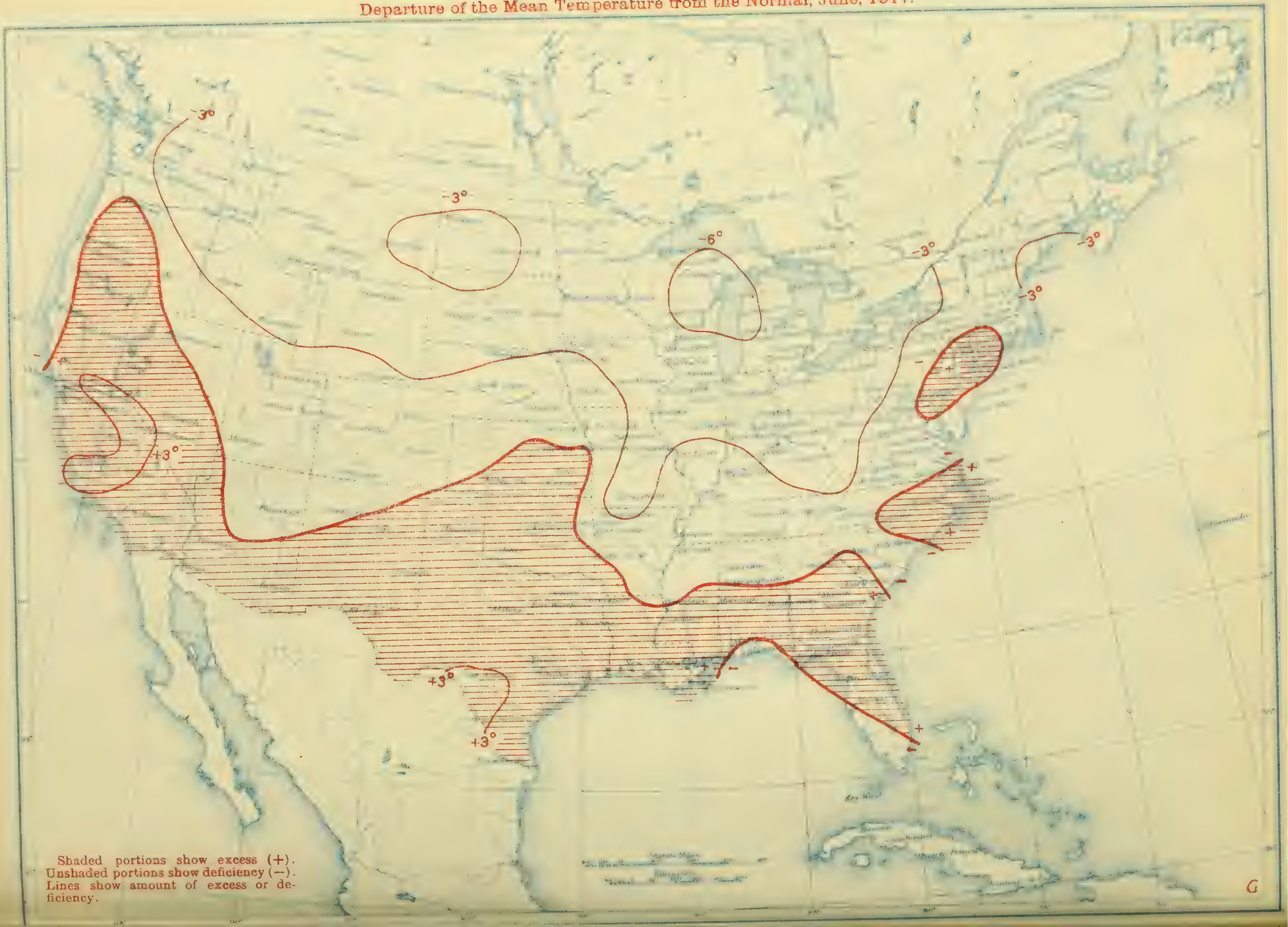
NEVADA SECTION

JUNE, 1917

BY
HENRY F. ALPS
METEOROLOGIST

RENO, NEV.
WEATHER BUREAU OFFICE
JULY 23, 1917.

Departure of the Mean Temperature from the Normal, June, 1917.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALPS, Meteorologist.

Vol. XXXII. Reno, Nevada, June, 1917. No. 6.

GENERAL SUMMARY.

June was moderately warm and unusually dry. The monthly average temperature rose to about normal for the first month since last September. A cool period extended from about the 10th to the 13th, when light to heavy frosts occurred over the northern two-thirds of the State, resulting in slight damage to tender vegetation in some localities. This was followed by a warm period which started generally on the afternoon of the 13th and continued until about the 21st, and the highest temperature for the month was recorded at most of the stations between these dates. Moderate temperatures prevailed during the remainder of the month. There was practically no precipitation over the southern half of the State, but light to moderate showers fell over most of the northern half on the 9th and 10th, although there were areas in northern counties which received no measurable moisture. The greatest monthly rainfall was 0.62 inch at Vya, in the extreme north portion of Washoe County. For the State, the sunshine averaged about 96 per cent of the possible amount.

The warm weather following the heavy rainfall of May, was beneficial to all ranching interests. Wheat, barley, oats, alfalfa, potatoes, sugar-beets, fruit, and garden truck made rapid growth, but these crops were still behind the seasonal average because of the late spring. The first crop of alfalfa was being cut in central districts, and the second crop in the south portion, with yields and quality above the average. The harvesting of wheat was under way in the southern part. Range feed was more plentiful than it has been in many years, and all stock was in good condition. Streams were discharging more than the normal amount of water.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 40 stations, was 63.9°. The mean for the 23 stations having ten or more years' record was 0.2° below normal. The highest recorded was 110°, at Pahrump on the 4th and 5th, and at Las Vegas and Logan on the 16th; the lowest was 20°, at Gold Creek and Cherry Creek on the 11th. The greatest daily range was 67°, at Pahrump on the 6th. The highest monthly mean was 80.8°, at Searchlight; the lowest was 49.8°, at Gold Creek.

PRECIPITATION.

The average for 49 stations reporting was 0.13 inch. For the 27 stations having ten or more years' record, the mean was 0.41 inch below the normal. The average amount at 3 stations in the Columbia Basin was 0.23 inch; at 16 stations in the Humboldt Basin, 0.21 inch; at 4 stations in the Truckee Basin, 0.02 inch; at 6 stations in the Carson Basin, none; at 5 stations in the Walker Basin, none; at 4 stations in the Colorado Basin, a trace; at 18 stations in the minor basins, 0.12 inch. The greatest monthly fall was 0.62 inch, at Vya; there was none at 18 stations. The average number of days with precipitation was 1.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric pressure (sea level).			Mean relative humidity		Wind			
						Average hourly velocity	Max. velocity		
	Mean.	Highest.	Lowest.	5 a. m.	5 p. m.		Miles per hour	Direction.	Date.
Reno	29.96	30.30	29.66	59	18	7.8	36	w.	9
Winnemucca	30.00	30.37	29.59	63	18	6.1	36	sw.	9
Tonopah	29.92	30.19	29.60	34	16	8.5	34	w.	9

SUNSHINE AND CLOUDINESS.

At Reno, 96 per cent of the possible sunshine was recorded; at Winnemucca, 96 per cent; at Tonopah, 98 per cent. For the State, the average number of clear days was 26; partly cloudy, 3; cloudy, 1.

MISCELLANEOUS PHENOMENA.

(Dates of.)

Brisk winds.—2, 4, 9, 10, 11, 12, 13, 16, 21, 23, 27, 28.

Solar halos.—1, 5.

Parhelia.—9.

Thunderstorms.—5, 6, 7, 9, 10.

COMPARATIVE DATA FOR JUNE.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	70.0	110	30	0.22	0	2	18	7	5	s.
1890	61.5	109	24	0.05	0.2	1	22	7	1	s.
1891	59.8	97	8	1.18	0.5	5	14	8	8	w.
1892	62.8	110	22	1.06	0.9	4	17	8	5	w.
1893	63.8	100	18	0.04	T.	0	28	2	0	sw.
1894	57.8	92	20	1.12	1.0	5	12	10	8	sw.
1895	62.9	109	14	0.13	0.1	1	20	6	4	sw.
1896	68.7	117	25	0.22	0	2	19	6	5	sw.
1897	62.8	112	20	0.37	0.1	3	16	8	6	w.
1898	65.0	104	20	0.19	T.	1	20	7	3	w.
1899	63.7	103	21	0.60	0.2	2	22	4	4	w.
1900	67.7	111	28	0.32	0.1	2	19	5	6	w.
1901	59.1	99	21	0.15	0.2	1	19	8	3	sw.
1902	66.3	116	20	0.04	0.2	0	24	3	3	sw.
1903	66.5	113	28	0.45	T.	3	17	8	5	sw.
1904	63.6	106	11	0.04	T.	1	21	5	4	sw.
1905	61.9	101	24	0.11	T.	1	21	5	4	e.
1906	60.2	115	20	0.59	T.	2	16	9	5	w.
1907	56.9	111	18	1.09	1.4	5	13	9	8	w.
1908	60.8	116	18	0.47	0.6	3	17	9	4	w.
1909	65.5	112	24	0.28	0	1	19	7	4	w.
1910	65.4	108	23	0.05	0	1	23	5	2	s.
1911	62.8	109	20	0.74	0	4	14	10	6	w.
1912	63.6	112	23	0.59	0	3	17	7	6	w.
1913	61.8	106	28	1.99	T.	8	11	9	10	w.
1914	62.0	114	12	1.26	0.7	6	15	8	7	w.
1915	63.3	109	23	0.13	T.	1	23	5	2	w.
1916	62.5	112	19	0.05	0.1	0	21	7	2	sw.
1917	63.9	110	20	0.13	T.	1	26	3	1	sw.
Entire period	63.2	117	8	0.47	0.2	2	19	7	4	w.

LATE REPORTS.

April, 1917—Pahrump, mean temperature, 52.4°; highest, 83°, on the 21st; lowest, 30°, on the 8th. Total precipitation, 0.49 inch; number of days with precipitation, 2; clear, 13; partly cloudy, 11; cloudy, 6.

May, 1917.—Sharp, mean temperature (6 days missing), 47.5°; highest, 76°, on the 14th; lowest, 25°, on the 2d. Total precipitation, 2.00 inches; number of days with precipitation, 4; clear, 9; partly cloudy, 10; cloudy, 9.

Climatological data for June, 1917.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days.				Prevailing direction of the wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	4	49.8		78	15	20	11	42	4	0.18^{a}		0.10	0	2	25	2	3	n.	U. S. Forest Service.
Mahoney Ran. Sta.**	do	6,200	2								2										Do.
Owyhee	do	5,400	6	56.5^{a}		85^{a}	28	28^{a}	†4	42^{a}	6	0.52		0.50	1.0	2	24^{a}	3^{a}	2^{a}	sw.	E. A. Schwab.
San Jacinto	do	5,200	12	55.7	−1.3	89	15	26	11	51	12	T.	−1.69	T.	0	0	23	5	2	n.	Utah Construction Co.
Humboldt Basin.																					
Arthur	Elko	6,500									7	0.12	−0.83	0.12	0	1	29	1	0		Isaac Woodhouse.
Austin	Lander	6,594	28	61.5^{a}	+1.3	88^{a}	†16	26^{a}	12	40^{a}	28	0.00	−0.72	0.00	0	0	27^{a}	2^{a}	0^{a}		Forest Service.
Battle Mountain	do	4,513	46								48										Southern Pacific Co.
Beowawe	Eureka	4,695	46	61.1	−6.1	90	16	29	12	48	48	0.10	−0.32	0.10	0	1	26	4	0	sw.	Do.
Clover Valley**	Elko	6,000	16								24										I. F. Wiseman.
Elko	do	5,063	46	64.0	+1.3	97	27	29	11	54	47	0.30	−0.60	0.30	0	1	26	1	3	w.	Western Pacific Co.
Eureka	Eureka	6,837	19	61.0^{e}	+0.2	90^{e}	†15	25^{e}	12	45^{e}	21	0.16	−0.78	0.16	T.	1	23^{e}	3^{e}	0^{e}	n.	Clay Simms.
Golconda	Humboldt	4,392	38	64.6	−1.0	94	17	32	11	45	40	0.35	−0.21	0.35	0	1	22	8	0	w.	Southern Pacific Co.
Hylton**	Elko	7,081									7	0.39		0.39	0	1	26	4	0		Chas. Toyne, sr.
Imlay §	Humboldt	4,209	4	63.8	−3.1	94	16	29	12	52	4	0.25	+0.03	0.25	0	1	29	0	1	nw.	Southern Pacific Co.
Lamoille	Elko	6,100	2	57.2		84	28	26	12	41	2	0.48	−0.34	0.25	T.	2	27	3	0	ne.	Elko-Lamoille Power Co.
Lovelock	Humboldt	3,977	23	62.8	−3.9	94	17	29	12	54	21	0.11	−0.17	0.11	0	1	29	0	1	w.	John R. Montgomery.
Metropolis §	Elko	5,661	4	53.8		83	†15	24	12	50	8	0.45	−0.06	0.45	0	1	24	5	1	w.	L. F. Hatch.
North Fork	do	6,500									8	0.17		0.17	0	1	17	5	8	w.	Chas. Pratt.
Paradise Valley	Humboldt	4,500	4	55.7		85	15	22	12	46	8	0.15		0.15	0	1	26	2	2	sw.	R. M. Taylor.
Potts	Nye	6,002	24	58.6	−3.2	90	†14	24	10	57	26	T.	−0.40	T.	0	0	24	3	3	s.	Miss Irene Potts.
Tecoma	Elko	4,812	39	62.6	−0.2	98	†23	25	6	59	41	0.04	−0.56	0.04	0	1	21	9	0	s.	Southern Pacific Co.
Winnemucca	Humboldt	4,344	40	63.3	0.0	92	16	32	12	42	48	0.35	−0.29	0.35	0	2	27	3	0	sw.	U. S. Weather Bureau.
Truckee Basin.																					
Franktown §	Washoe	5,054	2								2										Agent V. & T. Ry.
Marlette Lake**	do	7,900	2	51.5^{a}		75^{a}	19	27^{a}	12	37^{b}	4	0.00		0.00	0	0	28^{a}	1^{a}	0^{a}	w.	V. & G. H. Water Co.
Reno	do	4,532	30	63.8	+2.8	91	19	36	12	47	30	0.06	−0.18	0.06	0	1	29	1	0	w.	U. S. Weather Bureau.
Bijou, Cal.		6,230	2								8										Chas. Young.
McKinney, Cal.**		6,225									8	0.00		0.00	0	0	30	0	0	w.	Henry Soll.
Tahoe, Cal.		6,230	9	52.4		87	13	26	11	53	9	0.01		0.01	0	1	28	1	1	w.	Mrs. Emma C. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	23	65.6	+1.0	97	†16	32	11	51	23	0.00	−0.28	0.00	0	0	30	0	0	sw.	U.S. Experiment Station.
Gardnerville	Douglas	4,830	26	59.2^{k}	−2.1	87^{k}	11	29^{k}	12	48^{k}	27	0.00	−0.26	0.00	0	0	18^{k}	1^{k}	0^{k}	sw.	Forest Service.
Lahontan**	Churchill	4,200	5	69.0		96	16	38	†11	44	7	0.00		0.00	0	0	27	2	1	w.	U.S. Reclamat'n Service.
Markleeville, Cal.		5,525									8	0.00		0.00	0	0	30	0	0	s.	Mrs. Mary Thornburg.
Woodfords, Cal.**		5,634									8	0.00		0.00	0	0					Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	10	69.6	0.0	104	17	36	11	53	21	0.00	−0.22	0.00	0	0	30	0	0		Southern Pacific Co.
Smith	Lyon	4,800									9	0.00		0.00	0	0	27	3	0	sw.	C. M. Carter.
Thorne §	Mineral	4,200	4								4										Southern Pacific Co.
Yerington §	Lyon	4,375	8			93	17				8	0.00	−0.37	0.00	0	0	30	0	0	sw.	S. L. Netherton.
Bridgeport, Cal.		6,500	4	52.5		82	†14	23	11	48	6	0.00		0.00	0	0	26	3	1	w.	Geo. Delury, jr.
Shields Ranch, Cal.**		5,300									8	0.00		0.00	0	0	30	0	0		Bruce H. Chichester.
Colorado Basin.																					
Indian Springs §**	Clark	3,136	4	76.3		105	20	48	2	47	4	0.00		0.00	0	0				w.	Ira McFarland.
Las Vegas	do	2,033	15	80.1	+4.4	110	16	47	2	46	15	0.00	−0.14	0.00	0	0	30	0	0	s.	C. P. Squires.
Logan §	do	1,355	10	80.4	−0.8	110	16	49	2	49	18	0.00	−0.10	0.00	0	0	27	3	0		Experiment Farm.
Mt. Charleston**	do	9,000									2										E. W. Griffith.
Pioche	Lincoln	6,100	19	66.4	+1.4	91	†15	35	1	45	19	T.	−0.37	T.	0	0	29	0	1	s.	L. H. Beason.
Minor Basins.																					
Cherry Creek	White Pine	6,450	9	56.0		85	29	20	11	45	9	0.00		0.00	0	0	25	5	0	w.	L. F. Howard.
Duck Flat**	Washoe	4,725									3	0.10		0.10	0	1	29	0	1	nw.	H. J. Muller.
Francis (near)	do	5,350									3	0.33		0.33	0	1	30	0	0	sw.	Geo. W. Barnard.
Gerlach	do	3,931	5	66.6		92	†9	31	11	53	5	0.20		0.20	0	1	24	6	0	sw.	Western Pacific Co.
Goldfield	Esmeralda	5,700	10	67.8	+2.9	94	†14	36	1	53	12	0.00	−0.48	0.00	0	0	30	0	0	s.	R. W. Robinson.
Hamilton	White Pine	7,800	11								16										Carl F. Muir.
Jungo	Humboldt	4,165									4	0.00		0.00	0	0	26	2	2	sw.	Western Pacific Co.
Lida §	Esmeralda	6,037	5								5										L. F. Detwiler.
McDermitt	Humboldt	4,700	6	58.8	−6.2	89	16	25	12	43	30	0.28	−0.54	0.23	0	2	25	4	1	n.	U. S. Indian Service.
McGill §	White Pine	6,338	7	64.4	−1.6	92	16	31	1	48	7	0.07	−0.35	0.07	0	1	27	3	0	n.	R. E. Middagh.
Millett	Nye	5,040	9	60.8		90	†16	26	11	56	10	0.00		0.00	0	0	27	3	0		Fred J. Jones.
Oak Springs**	do	5,900									1										Mrs. R. E. Bower.
Oasis Ranch §**	Esmeralda	5,106	5	69.5	+7.4	101	19	34	7	51	5	0.00	−0.29	0.00	0	0	29	1	0		Arthur L. Stewart.
Pahrump	Nye	2,608	4	71.6		110	†4	40	12	67	4	0.00		0.00	0	0	28	2	0	s.	F. M. Buol.
Quinn Riv. Ranch**	Humboldt	4,850	15	62.2^{a}	+1.1	94^{a}	†16	24^{a}	11	56^{a}	16	T.	−0.53	T.	0	0	23^{a}	4^{a}	2^{a}	sw.	F. M. Payne.
Rebel Creek	do	4,300	5	63.0		92	16	30	11	45	6	0.44		0.44	0	1	18	10	2	sw.	Fred Whitaker.
Rhyolite	Nye	3,680	4								4										Secretary School Board.
Sand Pass**	Washoe	4,198	4	67.4		93	17	33	11	45	4	0.05		0.05	0	1	29	0	1	w.	R. R. Mott.
Searchlight	Clark	3,445	4	80.8		106	17	55	2	33	4	0.00		0.00	0	0	30	0	0	s.	C. L. Aug. Mahn.
Sharp	Nye	6,200	4								4										F. A. Sears.
Sulphur	Humboldt	4,044	4	66.8		94	16	31	12	49	4	T.		T.	0	0	25	4	1	sw.	Western Pacific Co.
Tonopah	Nye	6,090	12	67.2		89	17	35	12	35	12	0.00		0.00	0	0	26	4	0	w.	U. S. Weather Bureau.
Vya	Washoe	5,500									4	0.62		0.60	0	2	27	2	1	sw.	L. A. Mariette.
For the State				63.9	−0.2	110	†4	20	11	67		0.13	--0.41	0.60	T.	1	26	3	1	sw.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Mahoney Ranger Station, Jarbridge; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of McKinney, Hellman's, Lake Tahoe, Cal.; of Lahontan, Hazen; of Woodfords, Cal., Sheridan, Nev.; of Shields Ranch, Coleville, Cal.; of Indian Springs, Las Vegas; of Mt. Charleston, Las Vegas; of Duck Flat, Sunkist; of Oak Springs, Las Vegas; of Oasis Ranch, Oasis, Cal.; of Quinn River Ranch, Amos; of Sand Pass, Sheepshead.

Reference letters, ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing, for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for June, 1917.

Stations.	Day of month.																														Total.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia Basin.																																
Gold Creek (near)										.08	.10																					0.18
Mahoney Ranger Station ||||																																
Owyhee										.50	.02																					0.52
San Jacinto										T.																						T
Humboldt Basin.																																
Arthur										.12																						0.12
Austin																																0.00
Battle Mountain																																
Beowawe										.10																						0.10
Clover Valley																																
Elko										.30																						0.30
Eureka										.16																						0.16
Golconda										.35																						0.35
Hylton										.39																						0.39
Imlay									.25																							0.25
Lamoille ||||										.23	.25																					0.48
Lovelock									.11																							0.11
Metropolis ||||										.45																						0.45
North Fork										.17																						0.17
Paradise Valley									T.	.15																						0.15
Potts									T.																							T
Tecoma	T.									.04																						0.04
Winnemucca***									.34	.01																						0.35
Truckee Basin.																																
Franktown																																
Marlette Lake ||||																																0.00
Reno ***						.06																										0.06
Bijou, Cal																																
McKinney, Cal																																0.00
Tahoe, Cal. ||||										.01																						0.01
Carson Basin.																																
Fallon ||||																																0.00
Gardnerville																																0.00
Lahontan																																0.00
Markleeville, Cal																																0.00
Woodfords, Cal																																0.00
Walker Basin.																																
Mina																																0.00
Smith																																0.00
Thorne																																
Yerington																																0.00
Bridgeport, Cal																																0.00
Shields Ranch, Cal																																0.00
Colorado Basin.																																
Indian Springs ||||																																0.00
Las Vegas																																0.00
Logan																																0.00
Mt. Charleston																																
Pioche				T.																												T.
Minor Basins.																																
Cherry Creek																																0.00
Duck Flat									.10																							0.10
Francis (near)							.33																									0.33
Gerlach									.20																							0.20
Goldfield																																0.00
Hamilton																																
Jungo																																0.00
Lida																																
McDermitt									.05	.23																						0.28
McGill						.07																										0.07
Millett																																0.00
Oak Springs																																
Oasis Ranch																																0.00
Pahrump																																0.00
Quinn River Ranch									T.																							T.
Rebel Creek										.44																						0.44
Rhyolite																																
Sand Pass									T.	.05																						0.05
Searchlight																																0.00
Sharp																																
Sulphur									T.																							T.
Tonopah***																																0.00
Vya ||||									.60		.02																					0.62

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.
| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

Daily evaporation (inches) and wind movement (miles) for June, 1917.

(See temperature and precipitation data in climatological tables, pages 44 to 46.)

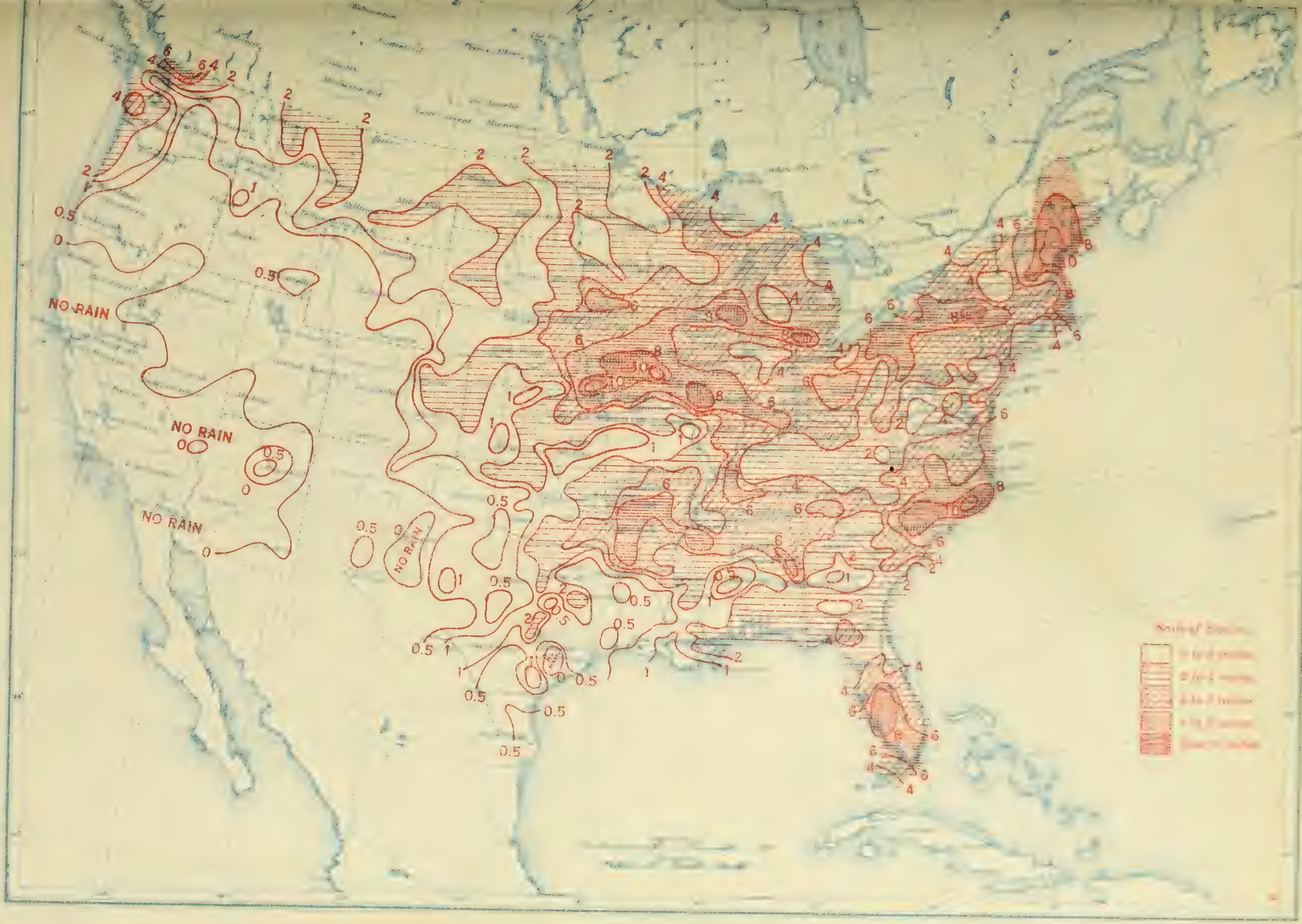
Stations.	Data.	Day of month.																														Monthly.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ndian Springs*	Evaporation		.426	.462	.441	.450	.335	.319	.369	.413	.645	.619	.414	.428	.355	.402	.427	.464	.571	.463	.542	.620	.612	.704	.478	.410	.466	.471	.480	.521	.542		13.489
	Wind movement		42	65	84	84	34	36	16	28	152	122	41	53	25	26	27	38	52	34	52	85	70	124	47	27	36	44	26	74	59		1,603
amoille*	Evaporation																																
	Wind movement																																
arlette Lake.*	Evaporation																																
	Wind movement																																
ahoe, Cal.**	Evaporation	.175	.115	.060	.065	.060	.080	.130	.155	.100	.065	.075	.095	.085	.105	.210	.175	.235	.155	.255	.175	.175	.170	.210	.175	.205	.135	.195	.085	.130	.080		4.130
	Wind movement	99	57	96	64	97	71	41	54	86	85	74	57	45	74	144	104	51	47	32	73	56	67	72	82	112	41	57	37	41	46		2,062

* Observations taken at 7 a. m.; ** at 8 a. m. ‡ Included in next following entry.

Daily temperatures for June, 1917.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek (near)	Maximum..	55	52	52	49	52	61	61	71	76	68	62	51	76	76	78	70	76	70	72	70	66	60	67	67	66	73	67	70	72	75	....	66.0
	Minimum ..	27	28	30	21	22	24	37	35	40	29	20	22	34	34	38	38	41	39	39	38	37	38	34	35	31	40	38	40	38	42	....	33.6
Owyhee	Maximum..	64	61	59	57	64	72	71	80	78	52	50	59	72	81	80	79	80	80	81	74	73	81	....	75	81	82	84	85	76	78	....	72.7
	Minimum ..	31	37	36	28	30	35	40	42	46	32	30	28	36	41	44	46	43	46	44	46	44	46	....	49	39	43	44	54	48	40	....	40.3
San Jacinto	Maximum..	66	64	69	60	64	70	71	80	79	52	52	60	72	83	89	87	84	79	81	75	76	80	83	79	79	82	84	82	80	76	....	74.6
	Minimum ..	31	33	36	29	29	32	43	43	50	37	26	28	38	38	38	40	51	38	37	39	35	38	37	40	31	37	37	37	37	39	....	36.8
Humboldt Basin.																																	
Austin	Maximum..	65	68	66	68	66	70	75	82	80	70	66	62	79	85	87	88	87	85	86	86	85	81	85	....	84	82	87	88	84	86	....	78.7
	Minimum ..	34	39	35	35	34	43	45	47	50	38	29	26	46	51	52	54	51	49	51	49	51	44	45	....	47	46	51	51	44	49	....	44.3
Battle Mountain	Maximum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum ..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Elko	Maximum..	74	72	70	71	74	80	82	90	88	80	80	75	85	90	92	95	95	95	95	96	96	94	93	94	96	96	97	93	94	95	....	87.6
	Minimum ..	35	34	32	32	34	32	36	40	46	38	29	44	33	36	38	45	45	44	45	46	46	44	43	45	45	44	44	46	45	44	....	40.3
Eureka	Maximum..	65	73	69	64	70	73	78	84	83	74	70	65	79	87	90	90	88	85	85	88	89	84	86	83	86	85	....	....	....	....	....	79.7
	Minimum ..	32	38	38	36	32	38	43	42	52	35	28	25	40	50	61	45	52	47	47	47	50	44	48	44	42	47	....	....	....	....	....	36.8
Imlay	Maximum..	73	71	70	70	72	75	82	86	80	75	64	67	70	80	92	94	93	91	91	90	88	89	90	91	92	93	92	93	91	92	....	83.2
	Minimum ..	34	42	34	35	36	35	37	43	40	41	30	29	34	39	40	55	60	62	45	55	49	48	50	48	50	51	54	51	50	52	....	44.3
Lamoille	Maximum..	51	60	68	55	62	69	68	77	75	47	57	56	71	79	82	82	80	82	80	78	80	75	82	76	78	82	82	84	72	77	....	72.2
	Minimum ..	33	37	34	29	34	42	46	46	53	33	28	26	31	41	55	56	54	45	45	45	53	45	51	48	38	41	50	48	43	40	....	42.3
Paradise Valley	Maximum..	69	64	59	60	67	75	72	80	74	50	55	59	78	82	85	83	82	82	80	79	78	77	70	80	82	78	80	79	76	78	....	73.8
	Minimum ..	31	35	30	26	31	40	35	39	45	33	25	22	32	40	41	42	44	42	44	44	45	38	46	39	40	41	42	43	34	40	....	37.6
Tecoma	Maximum..	67	68	69	68	72	77	84	91	87	72	68	70	73	87	90	94	95	97	94	90	92	94	98	96	95	98	94	90	92	90	....	85.0
	Minimum ..	28	30	27	29	28	25	41	47	42	28	32	27	34	28	48	47	48	43	47	50	53	55	43	47	44	49	43	47	46	48	....	40.1
Winnemucca	Maximum..	72	68	67	66	73	79	81	87	79	57	60	63	84	89	91	92	91	88	88	87	86	81	85	80	87	85	90	85	82	84	....	80.2
	Minimum ..	38	42	39	34	43	43	46	50	44	36	33	32	47	49	50	52	52	54	50	53	56	48	48	54	48	52	48	52	48	51	....	46.4
Truckee Basin.																																	
Franktown	Maximum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum .	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Marlette Lake	Maximum..	....	52	48	51	55	60	64	67	56	57	49	57	68	72	68	72	71	73	75	71	63	65	62	63	63	68	69	60	68	72	..	63.4
	Minimum ..	28	....	32	31	32	37	38	44	45	32	30	27	31	41	42	44	54	43	49	50	48	41	39	41	43	41	41	42	41	41	....	39.6
Reno	Maximum..	73	72	70	71	75	77	84	87	75	67	67	65	85	91	88	90	90	91	91	90	82	82	82	81	84	85	89	79	82	88	....	81.1
	Minimum ..	38	42	40	39	45	47	46	49	53	44	37	36	38	47	51	53	55	51	53	51	58	45	46	50	48	45	49	51	41	45	....	46.4
Tahoe, Cal.	Maximum..	59	64	62	61	66	70	72	78	69	58	59	62	87	57	60	82	82	82	81	82	75	76	74	74	76	79	79	72	74	79	....	71.7
	Minimum ..	27	33	30	29	31	34	35	37	39	28	26	27	30	35	30	29	38	35	40	39	39	34	33	35	36	33	34	35	31	33	....	33.2
Carson Basin.																																	
Fallon §§	Maximum..	79	79	72	73	78	83	84	91	84	67	75	71	87	93	94	97	97	92	94	92	91	87	90	86	90	89	93	89	86	91	...	85.8
	Minimum ..	36	42	40	42	39	44	46	48	52	46	32	36	36	46	50	52	54	52	49	53	52	44	44	46	46	45	51	48	41	47	....	45.3
Gardnerville	Maximum..	73	73	....	69	....	....	80	82	76	....	87	69	77	86	86	....	....	....	86	85	83	79	....	....	80	80	....	83	79	....	....	79.6
	Minimum ..	35	38	....	35	....	....	38	40	42	....	39	29	35	40	41	....	....	....	44	45	43	39	....	....	39	39	....	40	37	....	....	38.8
Lahontan	Maximum..	74	79	70	72	75	80	81	86	82	80	82	81	86	92	93	96	95	90	91	92	89	85	88	86	88	89	90	86	86	89	....	85.1
	Minimum ..	45	44	46	41	47	55	53	58	59	40	38	38	43	50	59	60	62	65	64	64	67	57	56	55	55	52	56	58	48	56	....	53.0
Walker Basin.																																	
Mina	Maximum..	79	86	79	81	82	81	85	91	90	73	82	75	90	97	98	95	104	102	95	97	97	91	96	90	93	96	95	97	96	93	....	90.2
	Minimum ..	43	42	41	39	40	38	50	49	50	45	36	40	37	46	47	53	58	56	51	52	58	56	56	55	56	56	56	56	54	52	....	48.9
Yerington	Maximum..	77	79	74	70	77	80	84	90	90	88	87	75	88	92	91	92	93	90	91	92	90	86	87	88	88	90	90	89	85	85	....	85.9
	Minimum ..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Bridgeport, Cal.	Maximum..	65	61	60	62	61	60	75	77	60	65	65	65	74	82	80	80	79	82	82	79	72	72	70	74	76	77	76	72	74	72	....	71.6
	Minimum ..	25	32	33	30	30	31	31	34	41	42	23	27	33	35	35	39	38	34	35	39	34	35	33	34	30	31	34	41	31	32	....	33.4
Colorado Basin.																																	
Indian Springs	Maximum..	78	87	84	83	85	86	91	95	92	95	86	85	90	100	102	104	104	101	103	105	100	97	99	96	96	98	102	99	103	102	....	94.9
	Minimum ..	55	48	54	52	52	49	50	56	60	56	61	53	63	55	57	63	64	63	68	69	68	64	57	55	55	55	56	57	56	60	....	57.7
Las Vegas	Maximum..	87	92	92	90	89	93	97	102	100	100	97	95	95	104	108	110	108	104	105	104	105	100	102	103	101	102	104	105	104	105	....	100.1
	Minimum ..	52	47	50	51	60	52	52	54	60	58	55	55	67	65	63	70	73	67	72	70	68	62	64	62	55	56	60	61	61	62	....	60.1
Logan	Maximum..	83	91	93	89	89	94	98	101	103	93	93	95	102	106	107	110	109	108	107	109	107	102	103	100	102	103	106	106	106	108	....	100.8
	Minimum ..	53	49	52	51	54	51	54	52	58	75	63	54	67	58	63	67	65	66	64	65	66	63	60	60	53	60	58	58	73	72	....	60.1
Pioche	Maximum..	64	76	77	74	66	79	80	88	87	76	72	72	78	87	91	91	91	87	88	91	89	86	86	86	89	87	89	90	91	91	....	83.3
	Minimum ..	35	43	47	43	41	45	45	51	57	54	37	37	41	46	46	60	58	58	54	53	62	57	51	51	49	49	51	54	56	52	....	49.4
Minor Basins.																																	
Cherry Creek	Maximum..	62	70	70	65	65	67	70	78	75	75	60	60	65	80	82	81	83	80	70	82	80	78	82	82	80	82	80	82	85	71	....	74.7
	Minimum ..	26	37	37	32	25	34	36	40	54	40	20	27	30	40	40	39	43	40	35	39	43	44	44	42	41	40	38	37	48	32	....	37.4
Gerlach	Maximum..	65	60	65	70	72	76	77	85	92	92	63	64	87	91	90	91	91	90	91	91	90	92	90	88	86	90	86	86	88	91	....	83.0
	Minimum ..	40	45	48	50	54	56	55	60	44	44	31	32	34	54	52	56	56	54	54	54	52	54	54	52	54	54	52	51	53	60	....	50.3
Goldfield	Maximum..	71	78	76	70	75	79	84	87	86	84	79	74	83	94	93	93	94	93	93	93	93	89	89	89	89	89	91	92	92	92	....	86.1
	Minimum ..	36	41	43	43	37	42	48	51	62	62	40	39	40	41	45	54	57	57	56	56	56	50	52	52	52	53	51	61	52	53	....	49.4
McDermitt	Maximum..	71	66	66	62	71	76	76	82	78	50	50	63	82	85	88	89	84	85	83	83	81	77	83	76	81	82	85	80	77	80	....	76.4
	Minimum ..	36	31	28	27	38	41	43	46	45	34	28	25	39	46	50	51	48	50	49	43	46	38	47	43	49	47	46	45	38	41	....	41.3
McGill	Maximum..	61	70	74	66	68	73	76	85	83	76	75	73	82	89	90	92	89	87	88	90	90	87	87	89	88	88	90	91	88	88	....	82.4
	Minimum ..	31	42	44	37	34	41	44	45	54	46	40	33	34	45	47	49	52	54	47	49	54	53	48	50	50	56	49	58	57	46	....	46.3
Millett	Maximum..	70	75	73	67	72	73	80	85	85	67	73	67	83	87	89	90	90	85	87	88	89	70	73	84	86	85	88	90	86	86	....	80.8
	Minimum ..	28	37	40	40	32	34	34	42	45	48	26	33	27	41	42	44	45	41	44	45	43	47	42	45	50	45	48	51	45	36	....	40.7
Oasis Ranch	Maximum..	78	84	82	71	75	84	85	92	90	77	85	75	96	97	96	98	99	98	101	98	99	93	94	95	95	94	96	85	96	98	....	90.5
	Minimum ..	35	41	40	48	42	36	34	45	55	47	37	43	45	48	54	55	56	53	57	77	51	44	50	51	54	52	47	58	51	50	....	48.5
Rebel Creek	Maximum..	72	67	64	65	73	74	79	84	80	72	66	67	83	86	90	92	88	88	88	87	84	83	85	82	85	85	88	84	81	82	....	80.1
	Minimum ..	36	38	36	34	38	44	47	52	46	38	30	32	38	48	53	54	76	48	51	51	56	48	46	49	43	48	50	51	47	46	....	45.8
Rhyolite	Maximum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum ..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Sand Pass	Maximum..	72	73	75	72	78	82	83	90	89	67	65	68	86	92	91	92	93	91	92	91	85	84	84	83	87	86	91	81	83	88	....	83.1
	Minimum ..	56	49	56	40	47	48	50	53	51	48	33	35	41	51	52	55	54	57	57	62	60	48	48	54	50	66	71	64	47	52	....	51.8
Searchlight	Maximum..	78	85	86	81	83	89	91	95	95	85	86	89	92	100	103	104	106	104	102	101	100	97	96	95	95	95	96	99	101	105	....	94.5
	Minimum ..	56	55	62	60	57	58	65	62	67	65	57	60	62	70	77	77	80	80	80	76	72	71	67	63	64	69	69	70	69	74	....	67.1
Sharp	Maximum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum ..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Sulphur	Maximum..	70	72	75	77	75	79	82	88	87	80	73	67	87	90	91	94	91	90	90	89	90	90	92	89	90	90	91	90	91	90	....	85.0
	Minimum ..	37	37	36	37	40	45	50	53	50	45	49	31	38	48	52	57	56	51	54	52	54	53	53	55	55	56	53	52	54	53	....	48.5
Tonopah	Maximum..	65	73	72	63	67	73	76	82	81	64	74	68	81	88	88	88	89	86	86	86	87	83	83	81	83	82	87	87	85	86	....	79.5
	Minimum ..	42	48	45	43	46	53	53	59	56	46	39	35	52	59	64	64	67	61	63	62	62	56	58	55	58	56	60	60	56	60	....	54.6

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.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U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

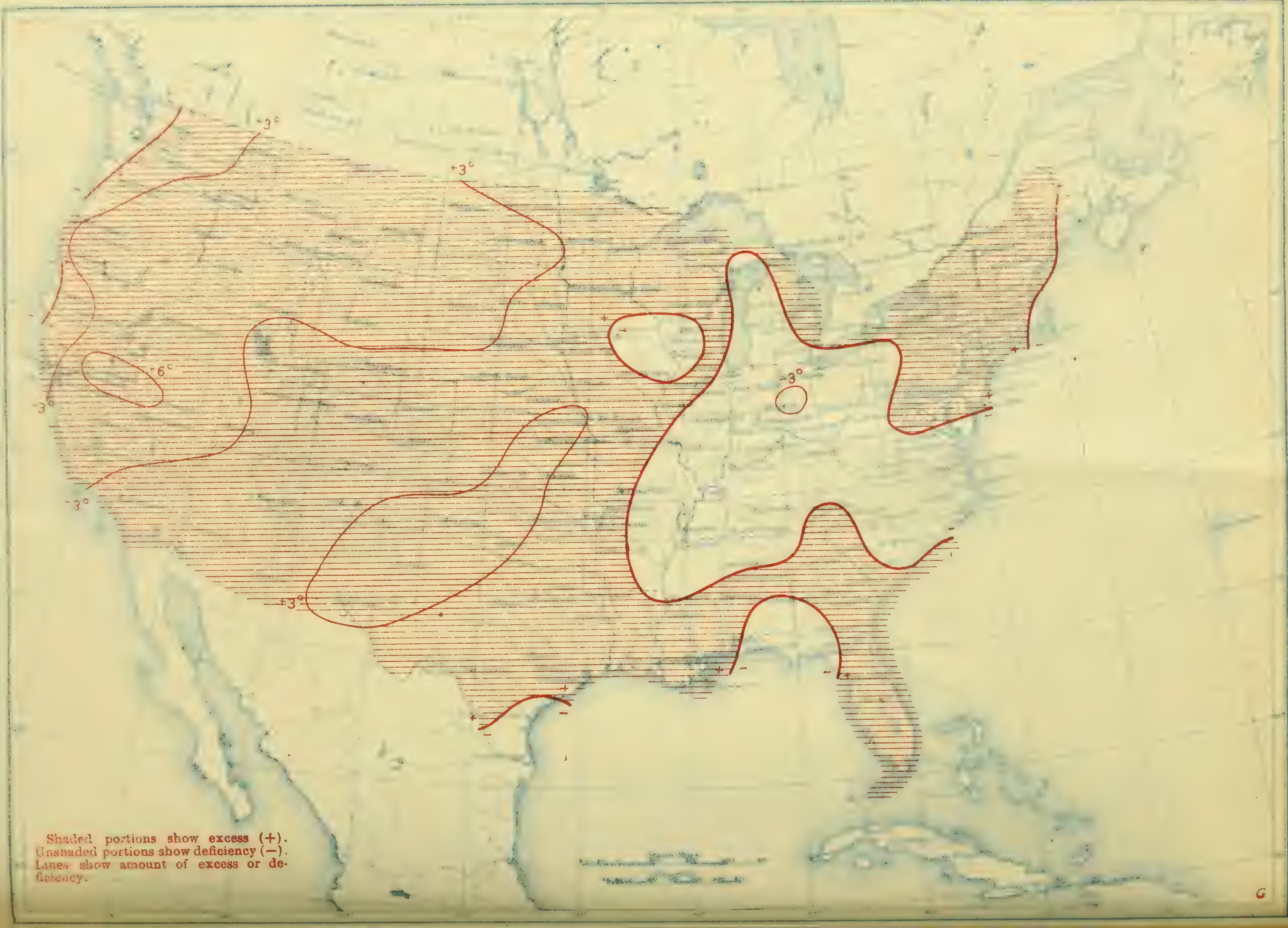
NEVADA SECTION

JULY, 1917

BY
HENRY F. ALPS
METEOROLOGIST

RENO, NEV.
WEATHER BUREAU OFFICE
AUGUST 20, 1917.

Departure of the Mean Temperature from the Normal, July, 1917.



+3°
+3°
-3°
+6°
-3°
-3°
+3°
-3°
Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.
G

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALPS, Meteorologist.

Vol. XXXII. Reno, Nevada, July, 1917. No. 7.

GENERAL SUMMARY.

This was one of the warmest Julys in Nevada since State wide records have been kept. There have been only two Julys in the past 29 years with higher average temperatures. The temperatures were uniformly high during the entire month, the daily averages being above normal with the exception of a day or two on or near the 28th when they were normal or slightly lower. An unusually warm spell occurred from about the 10th to the 15th when very high maximum temperatures were recorded. The highest temperature on record at Reno, 101°, was recorded on the 11th and 13th. Temperatures of 100° or higher were recorded at 20 stations, and all stations recorded temperatures in the nineties with the exception of a few which are located at high elevations in the mountains. The monthly maximum temperature ranged from 79° at Gold Creek in the north-central portion of Elko County, to 111° at Logan in the Muddy River Valley. It was a dry month over most of the western half of the State where a number of stations received no moisture, and unusually wet over the greater part of the eastern half where several stations recorded more than an inch of rainfall.

The warm, dry weather was generally favorable for the agricultural interests, except on dry land where the drought was detrimental to crops. All grains, hay, potatoes, sugar-beets, fruit, and garden truck developed rapidly in the irrigated sections, and were reported in excellent condition at the close of the month. The harvesting of wheat and cutting of the second crop of alfalfa had started in the lower valleys, and the third crop of alfalfa was cut in the extreme south portion. Range feed continued plentiful, and stock was in prime condition. The high temperatures caused rapid melting of the deep snow drifts in the higher mountains, and streams were carrying more than the normal amount of water for July.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 38 stations, was 74.5°. The mean for the 23 stations having ten or more years' record was 2.8° above normal. The highest recorded was 111°, at Logan on the 12th, 14th, 15th, and 20th; the lowest was 22°, at Gold Creek on the 8th and 21st. The greatest daily range was 57°, at Potts on the 2d, and at Tecoma on the 12th. The highest monthly mean was 88.4°, at Logan; the lowest was 59.9°, at Gold Creek.

PRECIPITATION.

The average for 46 stations reporting was 0.46 inch. For the 26 stations having ten or more years' record, the mean was 0.16 inch above the normal. The average amount at 4 stations in the Columbia Basin was 0.64 inch; at 16 stations in the Humboldt Basin, 0.45 inch; at 4 stations in the Truckee Basin, 0.60 inch; at 4 stations in the Carson Basin, 0.32 inch; at 4 stations in the Walker Basin, 0.65 inch; at 3 stations in the Colorado Basin, 1.68 inches; at 16 stations in the minor basins, 0.28 inch. The greatest monthly fall was 2.15 inches, at Pioche; there was none at 9 stations. The average number of days with precipitation was 2.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric pressure (sea level).			Mean relative humidity.		Average hourly velocity	Wind.		
	Mean.	Highest.	Lowest.	5 a. m.	5 p. m.		Max. velocity Miles per hour	Dir.	Date.
Reno	29.89	30.16	29.62	56	20	7.1	33	s.	15
Winnemucca	29.89	30.19	29.64	47	17	5.8	46	s.	15
Tonopah	29.88	30.13	29.69	45	25	7.4	28	se.	14

SUNSHINE AND CLOUDINESS.

At Reno, 90 per cent of the possible sunshine was recorded; at Winnemucca, 92 per cent; at Tonopah, 88 per cent. For the State, the average number of clear days was 21; partly cloudy, 7; cloudy, 3.

MISCELLANEOUS PHENOMENA.

(Dates of.)

Brisk winds.—8, 9, 13, 14, 15, 22, 23, 25, 26.

Thunderstorms.—5, 6, 7, 8, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 25, 26, 27, 28.

COMPARATIVE DATA FOR JULY.

Year.	Temperature. Mean.	Highest.	Lowest.	Average precipitation.	Average snowfall.	Number of days. With precipitation.	Clear.	Partly cloudy.	Cloudy.	Prevailing wind.
1889	76.1	119	36	0.17	......	1	29	1	1	s.
1890	74.0	118	28	0.15	0	1	22	7	2	sw.
1891	70.4	102	26	0.53	0	3	17	8	6	s.
1892	70.6	115	30	0.67	0	1	23	5	3	w.
1893	70.3	110	24	0.40	0	2	26	4	1	sw.
1894	71.7	108	32	0.75	0	5	17	9	5	s.
1895	70.2	112	28	0.05	0	1	25	4	2	w.
1896	72.7	112	33	0.79	0	2	14	9	8	w.
1897	69.4	116	25	0.28	0	1	20	7	4	sw.
1898	73.5	114	30	0.12	0	1	23	6	2	w.
1899	72.6	106	34	0.14	0	2	22	5	4	w.
1900	70.9	113	33	0.37	0	1	23	4	4	w.
1901	70.8	109	31	0.31	0	2	21	6	4	sw.
1902	67.9	116	25	0.44	0.5	2	21	5	5	sw.
1903	65.4	111	26	0.01	0	1	27	3	1	sw.
1904	68.7	110	30	0.51	0	3	19	8	4	sw.
1905	72.1	109	31	0.03	0	1	24	5	2	sw.
1906	74.7	114	32	0.68	0	4	17	9	5	w.
1907	69.2	113	27	0.06	0	1	22	6	3	s.
1908	74.3	116	32	0.42	0	3	18	10	3	w.
1909	69.5	112	23	0.14	0	2	23	6	2	s.
1910	72.9	110	28	0.65	0	3	18	8	5	w.
1911	70.9	109	30	0.31	0	3	17	10	4	w.
1912	68.6	113	25	0.67	0	4	17	7	7	w.
1913	69.1	113	18	1.30	0	6	16	9	6	w.
1914	72.4	118	32	0.52	0	3	16	10	5	w.
1915	70.8	110	31	0.38	0	2	19	8	4	w.
1916	71.0	113	30	0.31	0	2	25	4	2	sw.
1917	74.5	111	22	0.46	0	2	21	7	3	sw.
Entire period	71.2	119	18	0.40	T.	2	21	6	4	w.

LATE REPORTS.

June, 1917.—Battle Mountain, mean temperature, 64.1°, highest, 96°, on the 19th; lowest, 32° on the 11th; no precipitation; number of clear days, 27, partly cloudy, 0; cloudy, 3.

CORRECTIONS.

May, 1917.—Page 37, Tahoe, evaporation on the 7th should be .190, on the 17th, .050, and on the 24th, .082; total for the month, 2.542.

Climatological data for July, 1917.

			Temperature, in degrees Fahr.								Precipitation, in inches.					Number of days.					
Stations.	Counties.	Elevation, feet.	Length of record, years.	Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.	Prevailing direction of the wind.	Observers.
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	4	59.1		79	12	22	†8	42	4	T.		T.	0	0	24	4	3	nw.	U. S. Forest Service.
Mahoney Ran. Sta.**	do	6,200	2								2	0.79		0.37	0	3	22	7	2		Do.
Owyhee	do	5,400	6	71.4		96	12	42	†1	48	6	1.08		0.60	0	4	26	4	1	s.	E. A. Schwab.
San Jacinto	do	5,200	12	68.5	+3.1	95	8	31	1	54	12	0.71	+0.22	0.45	0	3	19	10	2	n.	Utah Construction Co.
Humboldt Basin.																					
Arthur	Elko	6,500									7	1.34	+0.55	1.12	0	2	22	7	2		Isaac Woodhouse.
Austin	Lander	6,594	28	73.2^{b}	−4.4	98^{b}	12	50^{b}	29	42^{b}	28	0.86	+0.41	0.50	0	3	17^{c}	10^{c}	1^{c}		Forest Service.
Battle Mountain	do	4,513	46	74.4	−0.5	105	14	45	1	53	48	0.00	−0.18	0.00	0	0					Southern Pacific Co.
Beowawe	Eureka	4,695	46	73.8	−1.7	99	14	40	4	54	48	0.00	−0.25	0.00	0	0	16	15	0		Do.
Clover Valley**	Elko	6,000	16								24										I. F. Wiseman.
Elko	do	5,063	46	73.6	+3.4	105	16	44	1	56	47	1.05	+0.47	1.05	0	1	20	4	7		Western Pacific Co.
Eureka	Eureka	6,837	19								21										Clay Simms.
Golconda	Humboldt	4,392	38	77.1	+2.6	100	12	50	1	42	40	0.00	−0.20	0.00	0	0	26	5	0		Southern Pacific Co.
Hylton **	Elko	7,081									7	0.71		0.43	0	3	28	3	0		Chas. Toyne, sr.
Imlay §	Humboldt	4,209	4	75.2^{g}	−0.6	104	18	47^{n}	7	46^{n}	4	T.	−0.16	T.	0	0	14	9	8	nw.	Southern Pacific Co.
Lamoille	Elko	6,100	2	71.6^{f}		92^{i}	†12	47	1	37^{i}	2	0.96	+0.44	0.75	0	4	15	14	2	se.	Elko-Lamoille Power Co.
Lovelock	Humboldt	3,977	23	74.6	−0.3	104	†11	41	28	55	21	0.00	−0.21	0.00	0	0	20	6	5	s.	John R. Montgomery.
Metropolis §	Elko	5,661	4	69.6^{j}		93^{j}	†18	37^{j}	1	47^{j}	8	1.10	+0.85	0.90	0	2	23	6	2		L. F. Hatch.
North Fork	do	6,500									8	0.36		0.24	0	2	16	11	4	w.	Chas. Pratt.
Paradise Valley	Humboldt	4,500	4	68.5		96	12	40	†10	53	8	0.06		0.06	0	1	18	13	0	sw.	R. M. Taylor.
Potts	Nye	6,002	24	66.8	−2.8	98	†14	34	†1	57	26	0.11	−0.54	0.05	0	3	11	9	11	s.	Miss Irene Potts.
Tecoma	Elko	4,812	39	75.0	+2.7	105	9	43	1	57	41	0.61	+0.42	0.54	0	3	13	18	0		Southern Pacific Co.
Winnemucca	Humboldt	4,344	40	75.9	+4.3	102	12	48	10	48	48	0.06	−0.11	0.03	0	3	23	7	1	sw.	U. S. Weather Bureau.
Truckee Basin.																					
Franktown §	Washoe	5,054	2								2										Agent V. & T. Ry.
Marlette Lake**	do	7,900	2	62.1		84	†12	42	†4	33	4	0.17		0.12	0	4	24	6	1	sw.	V. & G. H. Water Co.
Reno	do	4,532	30	74.0	+6.5	101	11	47	28	44	30	0.04	−0.10	0.04	0	1	25	4	2	w.	U. S. Weather Bureau.
Bijou, Cal.		6,230	2								8										Chas. Young.
McKinney, Cal.**		6,225									8	1.61		1.24	0	4	27	4	0	w.	Henry Soll.
Tahoe, Cal.		6,230	9	62.7		92	11	35	4	48	9	0.57		0.54	0	2	18	6	7	w.	Mrs. Emma C. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	23	77.2	+3.7	105	12	46	28	48	23	0.09	−0.09	0.06	0	2	26	4	1	sw.	U.S. Experiment Station.
Gardnerville	Douglas	4,830	26	67.7^{i}	+0.1	92^{i}	†11	39^{i}	2	48^{i}	27	0.41	+0.08	0.38	0	2	15^{g}	4^{g}	5^{g}	w.	Forest Service.
Lahontan **	Churchill	4,200	5	80.2		101	12	57	28	38	7	0.06		0.06	0	1	25	5	1	w.	U.S. Reclamat'n Service.
Markleeville, Cal.		5,525									8	0.70		0.38	0	3	22	8	1	s.	Mrs. Mary Thornburg.
Woodfords, Cal. **		5,634									8										Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	10	80.4^{a}	+2.8	106^{a}	12	56^{a}	†27	44^{a}	21	0.00	−0.31	0.00	0	0	31	0	0		Southern Pacific Co.
Smith	Lyon	4,800									9	0.90		0.55	0	4	12	11	8	sw.	C. M. Carter.
Thorne §	Mineral	4,200	4								4										Southern Pacific Co.
Yerington §	Lyon	4,375	8								8										S. L. Netherton.
Bridgeport, Cal.		6,500	4	58.4		85	11	34	1	46	6	0.49		0.43	0	3	12	10	9	w.	Edward L. Brandon.
Shields Ranch, Cal. **		5,300									8	1.21		0.60	0	6	22	9	0		Bruce H. Chichester.
Colorado Basin.																					
Indian Springs §**	Clark	3,136	4								4										Ira McFarland.
Las Vegas	do	2,033	15	87.8	+6.1	110	†17	62	†1	45	15	1.54	+1.17	0.65	0	4	25	1	5	s.	C. P. Squires.
Logan §	do	1,355	10	88.4	+1.3	111	†12	60	1	48	18	1.36	+1.08	0.58	0	5	9	11	11		Experiment Farm.
Mt. Charleston **	do	9,000									2										E. W. Griffith.
Pioche	Lincoln	6,100	19	74.4	+1.8	96	†12	55	†8	38	19	2.15	+1.57	1.35	0	4	23	2	6	s.	L. H. Beason.
Minor Basins.																					
Cherry Creek	White Pine	6,450	9	65.2		94	14	33	1	55	9	0.84		0.35	0	4	12	14	5	w.	L. F. Howard.
Duck Flat **	Washoe	4,725									3	0.00		0.00	0	0	29	2	0	nw.	C. T. Smith.
Francis (near)	do	5,350									3	0.35		0.35	0	1	29	2	0	w.	Geo. W. Barnard.
Gerlach	do	3,931	5	78.1		105	12	47	†9	51	5	0.00		0.00	0	0	22	8	1	w.	Western Pacific Co.
Goldfield	Esmeralda	5,700	10	78.0	+4.8	102	14	54	1	44	12	0.89	+0.13	0.81	0	4	18	8	5	s.	R. W. Robinson.
Jungo††	Humboldt	4,165									4	T.		T.	0	0	23	7	1	sw.	Western Pacific Co.
Lida §	Esmeralda	6,037	5								5										L. F. Detwiler.
McDermitt	Humboldt	4,700	6	72.0	−1.7	96	12	42	29	48	30	0.00	−0.30	0.00	0	0	31	0	0	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	7	76.8	+8.6	99	12	51	1	43	7	0.32	−0.30	0.16	0	3	14	8	9	n.	R. E. Middagh.
Millett	Nye	5,040	9	71.0		97	11	42	1	50	10	0.76		0.47	0	5	14	6	11		Fred J. Jones.
Oak Springs **	do	5,900									1										Mrs. R. E. Bower.
Oasis Ranch §**	Esmeralda	5,106	5	77.2	+8.8	102	†3	43	1	53	5	0.05	−0.41	0.03	0	2	14	7	10		Arthur L. Stewart.
Pahrump	Nye	2,608	4								4										F. M. Buol.
Quinn Riv. Ranch **	Humboldt	4,850	15	75.8^{d}	+7.0	104^{d}	†11	43^{d}	25	55^{d}	16	0.00	−0.18	0.00	0	0	19^{d}	3^{d}	5^{d}	sw.	F. M. Payne.
Rebel Creek	do	4,300	5	74.2		99	12	46	1	44	6	0.07		0.07	0	1	17	14	0	sw.	Fred Whitaker.
Sand Pass **	Washoe	4,198	4	80.4		105	12	51	23	40	4	0.15		0.15	0	1	27	3	1	w.	R. R. Mott.
Searchlight	Clark	3,445	4	86.6		106	14	66	†26	29	4	0.50		0.26	0	4	9	17	5	s.	C. L. Aug. Mahn.
Sharp	Nye	6,200	4								4										F. A. Sears.
Sulphur	Humboldt	4,044	4	80.0^{d}		102^{g}	13	50	10	45^{g}	4	T.		T.	0	0	26	4	1	sw.	Western Pacific Co.
Tonopah	Nye	6,090	12	76.8		96	12	56	29	30	12	0.31		0.22	0	4	17	13	1	se.	U. S. Weather Bureau.
Vya	Washoe	5,500									4	0.25		0.25	0	1	28	2	1	sw.	L. A. Mariette.
For the state				74.5	+2.8	111	†12	22	†8	57	...	0.46	+0.16	1.35	0	2	21	7	3	sw.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Mahoney Ranger Station, Jarbridge; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of McKinney, Hellman's, Lake Tahoe, Cal.; of Lahontan, Hazen; of Woodfords, Cal., Sheridan, Nev.; of Shields Ranch, Coleville, Cal.; of Indian Springs, Las Vegas; of Mt. Charleston, Las Vegas; of Duck Flat, Sunkist; of Oak Springs, Las Vegas; of Oasis Ranch, Oasis, Cal.; of Quinn River Ranch, Amos; of Sand Pass, Sheepshead.

Reference letters, ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing, for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for July, 1917.

Stations.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Columbia Basin.																																
Gold Creek (near)						T.																										
Mahoney Ranger Station ||||																T			T.													T
Owyhee																		.37	.12	T						T		.30				0.79
San Jacinto						T.											.25	.12	.11	.60												1.08
																	.02	T	.45									.21				0.71
Humboldt Basin.																																
Arthur																																
Austin																	T	.22	T	T							1.12					1.34
Battle Mountain														T.		T	.50	.20			T.						.16					0.86
Beowawe																																0.00
Clover Valley																																0.00
Elko																																
Eureka																		1.05														1.05
Golconda																																
Hylton																																0.00
Imlay																	.08	.20									.43					0.71
Lamoille ||||																T.																T
Lovelock															T.			.01		.14		T				.06	.75					0.96
Metropolis ||||																																0.00
North Fork																T.	T	.20										.90				1.10
Paradise Valley																		.12									.24					0.36
Potts																	T.	.06						T.		T						0.06
Tecoma																T.	T.	.01	T.	.05					T.		T	.05	T			0.11
Winnemucca***																		.03		.04							.54					0.61
							.03								T.	.02		.01								T.						0.06
Truckee Basin.																																
Franktown																																
Marlette Lake ||||																																
Reno ***															.12	.01	.03		.01													0.17
Bijou, Cal.													T.	T.	.04	T.		T.														0.04
McKinney, Cal.																																
Tahoe, Cal. ||||														.03	.04	.30	1.24															1.61
														T.	T.	.03	.54															0.57
Carson Basin.																																
Fallon ||||																																
Gardnerville																			.06	.03												0.09
Lahontan														T.	T.	.38			T.	.03												0.41
Markleeville, Cal.																T.	.06		T.													0.06
Woodfords, Cal.														.24	.08	.38																0.70
Walker Basin.																																
Mina																																
Smith																																0.00
Thorne													T.	.13	T.	.55	.07	.05	T.									.10				0.90
Yerington																																....
Bridgeport, Cal.																																
Shields Ranch, Cal.														.01	.05	.43																0.49
													.06	.20	.60	.10	T.	.18	.07													1.21
Colorado Basin.																																
Indian Springs ||||																																
Las Vegas																																
Logan														T.	T.				T.			.44			T.	T.	.14	.31	.65	T.		1.54
Mt. Charleston																						.29				.58	.07		.29	.13		1.36
Pioche						.15										T.			.08				.12					.45	1.35			2.15
Minor Basins.																																
Cherry Creek																																
Duck Flat																			.35		.13		.22					.14				0.84
Francis (near)																																0.00
Gerlach															.35																	0.35
Goldfield																																0.00
Jungo													.02		.03								T.				.81		.03		T.	0.89
Lida																		T.														T
McDermitt																																
McGill					T.																											0.00
Millett						T.										.07				T.						.09	.16					0.32
Oak Springs															.47				.05	.05		T.					.12	.07	T.			0.76
Oasis Ranch																																
Pahrump																												.03	.02			0.05
Quinn River Ranch																																....
Rebel Creek																																0.00
Sand Pass																		.07														0.07
Searchlight													.15																			0.15
Sharp															.03								.06			.26		.15				0.50
Sulphur																																
Tonopah***																T.																T.
Vya ||||													T.	T	.02	.05											.22	.02				0.31
																.25																0.25

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. |||| Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

Daily evaporation (inches) and wind movement (miles) for July, 1917.

(See temperature and precipitation data in climatological tables, pages 52 to 54.)

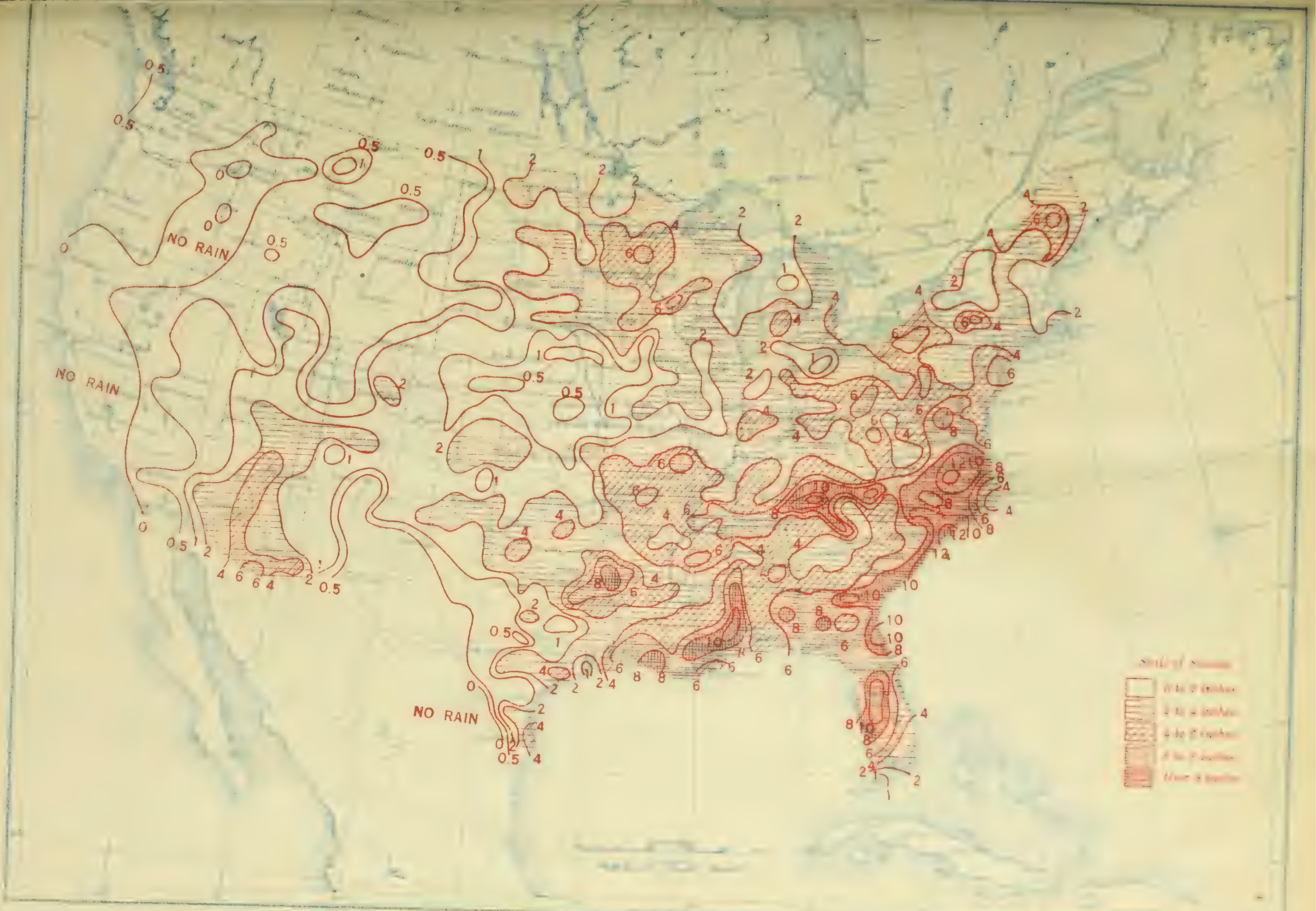
Stations.	Data.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Monthly.
Indian Springs*	Evaporation																																
	Wind movement																																
Lamoille*	Evaporation																																
	Wind movement																																
Marlette Lake*	Evaporation																																
	Wind movement																																
Tahoe, Cal.**	Evaporation	.165	.195	.155	.185	.175	.215	.220	.200	.145	.265	.125	.155	.080	.175	.005	.320	.050	.120	.190	.150	.270	.220	.225	.305	.145	.185	.200	.250	.200	.210	.200	5.700
	Wind movement	60	34	63	59	69	74	65	68	38	53	84	68	65	51	58	46	43	50	52	61	66	64	81	62	54	66	79	77	70	68	74	1,922

* Observations taken at 7 a. m.; ** at 8 a. m. ‡ Included in next following entry.

Daily temperatures for July, 1917.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek (near)	Maximum..	74	71	73	77	76	73	76	68	74	74	76	79	76	78	76	75	74	73	76	76	78	75	76	74	75	75	75	76	67	73	75	74.6
	Minimum..	40	36	42	44	44	38	43	46	48	36	31	42	39	40	40	48	41	50	48	50	56	50	48	51	41	46	45	44	41	40	41	43.6
Owyhee	Maximum..	84	88	90	86	91	89	93	93	91	91	94	96	94	90	92	92	88	90	90	92	93	92	90	92	91	94	80	84	83	89	85	89.9
	Minimum..	42	44	48	52	48	57	56	63	53	43	48	51	50	50	53	63	62	58	55	52	53	50	51	58	44	66	64	53	42	43	64	52.8
San Jacinto	Maximum..	86	85	92	87	89	90	94	95	93	89	90	92	88	87	94	87	89	91	85	81	89	93	89	89	88	94	81	82	81	82	81	88.2
	Minimum..	32	36	41	45	43	59	42	50	53	44	42	43	49	39	41	59	57	52	53	58	54	54	66	58	45	48	61	58	48	44	38	48.8
Humboldt Basin.																																	
Austin	Maximum..	90	91	90	90	92	92	92	91	92	93	96	98	95	90	89	86	85	85	90	92	90	84	....	88	92	85	78	....	85	84	86	89.3
	Minimum..	53	55	55	53	57	58	60	57	55	51	59	68	61	60	58	55	56	55	59	59	59	62	....	58	58	65	57	....	50	51	53	57.1
Battle Mountain	Maximum..	98	94	95	95	94	94	93	95	96	101	102	102	104	105	94	95	93	96	97	98	96	97	98	100	98	100	98	97	96	97	98	97.3
	Minimum..	45	48	50	50	49	48	47	50	51	52	52	54	54	55	47	48	47	51	55	56	52	54	56	56	55	57	54	52	51	52	50	51.5
Elko	Maximum..	95	87	98	99	101	101	101	100	101	102	102	104	103	104	104	105	95	100	95	100	100	102	100	100	100	100	96	95	94	90	94	99.0
	Minimum..	44	45	45	45	47	46	45	45	45	46	46	49	50	52	50	54	55	50	46	50	52	52	51	50	50	60	55	55	45	35	38	48.3
Eureka	Maximum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Imlay	Maximum..	91	93	96	92	85	84	85	87	88	90	88	90	91	92	95	98	99	104	100	98	100	98	97	96	97	90	100	98	97	96	98	94.0
	Minimum..	55	60	50	55	50	48	47	48	49	58	55	60	65	60	65	67	65	....	....	....	....	....	....	....	....	....	....	....	....	....	....	56.3
Lamoille	Maximum..	84	85	86	84	87	89	90	90	91	90	90	92	92	85	90	87	....	....	....	....	....	....	....	....	....	....	....	66	82	81	....	86.4
	Minimum..	47	55	53	57	52	55	58	61	56	56	57	58	62	59	60	63	61	61	51	54	61	61	62	56	52	60	60	50	56	54	51	56.7
Paradise Valley	Maximum..	84	87	89	86	85	88	92	90	85	89	93	96	93	92	91	91	89	87	91	92	90	90	88	88	92	92	85	84	84	83	87	88.8
	Minimum..	42	45	44	47	52	48	46	53	46	40	49	48	54	53	52	55	60	54	54	53	45	47	42	54	39	58	56	37	40	41	40	48.2
Potts	Maximum..	90	91	92	91	90	92	90	89	87	89	90	94	95	98	98	94	89	84	85	90	90	87	90	91	88	89	89	90	90	87	88	90.2
	Minimum..	34	34	36	38	36	38	39	38	40	37	40	42	50	52	55	48	47	45	45	50	51	48	50	52	50	47	45	40	41	38	39	43.4
Tecoma	Maximum..	94	97	100	98	97	94	99	98	105	100	102	104	100	98	99	100	97	99	101	103	100	98	101	100	103	101	98	99	97	93	92	98.9
	Minimum..	43	48	52	57	50	58	61	57	54	50	48	47	48	47	50	49	53	55	51	55	48	49	52	55	50	48	47	53	52	50	48	51.1
Winnemucca	Maximum..	91	95	93	92	95	94	98	95	90	96	100	102	100	97	98	96	92	90	96	95	94	93	92	91	95	91	89	87	88	88	90	93.6
	Minimum..	52	54	53	59	59	63	51	62	59	48	58	57	61	67	70	61	62	62	62	65	53	55	51	65	57	67	63	52	52	54	49	58.2
Truckee Basin.																																	
Franktown	Maximum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Marlette Lake	Maximum..	75	72	71	73	73	73	73	69	69	76	84	84	80	79	78	73	74	74	76	74	73	72	70	69	78	69	67	77	69	68	75	73.8
	Minimum..	51	43	45	42	45	48	48	54	47	50	51	54	55	61	54	52	52	56	54	51	48	48	52	51	51	54	53	42	47	50	52	50.4
Reno	Maximum..	94	92	90	91	93	91	95	89	88	95	101	100	101	96	95	89	92	92	92	92	91	90	87	88	96	91	86	87	88	86	90	91.9
	Minimum..	50	53	54	52	53	54	55	59	52	52	58	63	63	64	58	56	58	65	60	58	56	53	54	54	54	65	54	47	50	58	54	56.0
Tahoe, Cal.	Maximum..	85	82	80	82	83	83	84	80	79	84	92	88	82	85	83	82	81	80	83	85	80	82	81	80	85	81	77	79	79	79	83	82.2
	Minimum..	37	37	37	35	39	38	40	43	37	40	44	48	50	54	48	47	50	53	48	45	42	39	40	42	44	51	45	36	40	46	44	43.2
Carson Basin.																																	
Fallon §	Maximum..	94	98	96	97	98	97	99	97	94	97	103	105	104	99	98	96	98	95	97	98	97	95	94	96	97	97	93	91	91	93	94	96.7
	Minimum..	49	51	52	57	56	59	55	58	53	50	55	58	65	65	65	61	59	71	61	62	56	57	54	66	56	68	61	46	49	58	57	57.7
Gardnerville	Maximum..	....	87	86	86	86	86	....	....	86	87	92	92	92	....	....	89	86	86	86	87	....	....	86	85	86	86	84	....	....	82	83	86.6
	Minimum..	....	39	44	43	45	45	....	....	44	44	49	54	54	....	....	51	53	61	54	51	....	....	46	50	49	57	50	....	....	41	49	48.8
Lahontan	Maximum..	90	91	95	95	94	95	95	91	95	94	99	101	99	96	93	90	95	93	96	98	98	95	93	93	96	96	91	90	90	93	100	94.5
	Minimum..	58	60	66	64	68	64	69	60	64	66	67	76	74	71	69	65	63	72	73	70	66	68	63	64	62	72	66	57	60	64	62	65.9
Walker Basin.																																	
Mina	Maximum..	96	98	99	99	99	100	100	101	100	100	104	106	105	101	101	100	101	100	98	97	100	100	95	97	98	98	92	91	93	96	....	98.8
	Minimum..	62	62	63	62	61	62	64	64	61	62	60	66	66	64	59	58	61	59	65	67	63	62	65	66	64	67	56	57	56	60	....	62.1
Yerington	Maximum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Bridgeport, Cal.	Maximum..	76	77	80	80	81	79	80	70	69	68	85	74	69	65	69	76	69	68	70	68	69	71	70	69	74	78	72	80	65	71	69	72.9
	Minimum..	34	35	36	35	35	37	36	49	47	51	42	46	47	50	43	52	42	51	49	45	48	44	49	57	35	44	53	36	42	41	49	43.9
Colorado Basin.																																	
Indian Springs	Maximum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Las Vegas	Maximum..	107	106	106	105	107	107	108	108	108	105	107	109	109	108	109	106	110	109	108	110	110	105	103	103	104	95	95	92	89	92	100	104.6
	Minimum..	62	62	69	72	70	76	70	65	63	69	74	73	73	74	78	80	71	75	77	73	79	73	71	70	75	72	70	70	66	67	69	71.2
Logan	Maximum..	103	106	107	107	107	106	109	100	109	109	109	111	109	111	111	108	109	108	108	111	110	107	104	106	105	95	93	94	90	93	101	105.0
	Minimum..	60	66	65	68	70	68	61	65	69	61	73	71	74	74	78	80	76	76	80	75	74	81	75	76	73	75	77	73	70	68	71	71.7
Pioche	Maximum..	91	91	92	93	91	86	91	91	93	95	95	96	96	93	95	92	89	92	90	92	93	94	94	91	90	90	82	70	70	75	78	89.4
	Minimum..	56	59	62	62	58	56	56	55	55	60	58	58	59	58	63	63	62	64	60	63	63	65	64	55	55	56	65	59	57	55	57	59.3
Minor Basins.																																	
Cherry Creek	Maximum..	73	85	92	90	85	80	82	85	85	90	90	89	90	94	90	85	86	80	76	80	80	85	79	85	83	90	89	80	81	85	86	84.8
	Minimum..	33	39	37	38	40	53	50	45	44	45	46	43	45	44	43	42	46	45	46	47	47	47	50	47	50	52	57	54	45	47	43	45.5
Gerlach	Maximum..	95	97	96	96	96	99	99	99	98	98	103	105	104	100	102	102	102	102	97	100	98	96	94	95	96	98	90	90	90	91	93	97.5
	Minimum..	53	51	55	55	55	54	54	54	47	47	55	57	66	75	75	75	75	75	65	67	57	60	50	51	52	66	57	55	54	58	49	58.7
Goldfield	Maximum..	98	97	96	95	95	94	94	95	95	98	101	99	101	102	99	95	97	95	95	100	95	95	93	95	96	92	90	79	80	86	91	94.6
	Minimum..	54	57	55	56	60	60	64	59	56	58	61	68	67	67	68	61	60	63	60	61	61	61	72	64	66	68	58	56	57	57	64	61.3
McDermitt	Maximum..	86	89	89	89	89	89	92	92	85	91	94	96	93	93	94	92	90	87	92	93	92	91	89	89	94	92	87	85	85	86	88	90.1
	Minimum..	52	54	51	50	52	54	56	61	52	52	46	61	53	60	60	59	53	59	60	62	55	56	51	53	56	53	53	46	42	50	49	53.9
McGill	Maximum..	94	93	95	94	97	95	92	96	98	97	98	99	98	96	95	92	90	92	88	92	98	96	94	94	92	88	87	80	72	87	89	92.5
	Minimum..	51	56	55	58	57	64	65	64	60	61	60	59	63	65	59	63	61	59	57	60	59	69	70	65	67	68	67	60	57	57	58	61.1
Millett	Maximum..	92	93	92	93	93	92	93	92	93	95	97	96	95	80	77	91	89	92	89	93	95	93	89	92	91	86	81	79	82	87	88	90.0
	Minimum..	42	47	44	45	46	48	47	50	45	45	50	53	54	57	52	55	55	59	53	56	55	55	56	53	55	60	56	60	50	57	48	51.9
Oasis Ranch	Maximum..	96	100	102	97	98	98	97	97	102	97	100	99	101	98	95	98	94	97	100	96	102	98	91	95	91	96	88	87	77	89	88	95.6
	Minimum..	43	50	59	54	52	51	57	58	53	52	58	64	57	64	58	60	61	64	63	62	61	64	67	58	60	72	68	57	58	56	60	58.7
Rebel Creek	Maximum..	87	92	93	91	93	93	96	95	93	94	98	99	96	93	97	94	92	90	95	97	95	94	91	90	91	87	85	84	82	86	87	91.9
	Minimum..	46	50	49	62	55	58	54	61	57	54	58	63	67	63	65	61	62	61	62	60	53	54	55	58	62	56	48	50	49	48	55	56.6
Sand Pass	Maximum..	95	95	94	94	94	94	96	93	89	96	102	105	102	100	101	94	95	94	97	95	93	93	91	90	87	94	89	88	90	108	93	94.9
	Minimum..	65	61	67	59	60	60	59	64	64	66	89	66	68	71	64	75	64	76	61	61	69	71	51	52	57	77	76	70	67	72	57	65.8
Searchlight	Maximum..	100	97	97	99	100	100	100	101	100	100	103	105	101	106	105	101	102	102	104	105	103	99	100	96	98	93	87	85	88	88	95	98.7
	Minimum..	76	70	72	73	71	73	75	74	74	74	75	77	77	79	80	75	78	78	80	82	78	80	74	77	73	66	66	68	67	67	76	74.4
Sharp	Maximum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Sulphur	Maximum..	94	93	96	94	94	....	....	....	....	....	....	....	102	101	101	97	95	96	97	96	97	96	93	91	97	98	97	96	99	100	98	96.6
	Minimum..	56	57	57	58	58	60	58	59	55	50	61	65	78	76	78	73	71	71	78	72	60	57	61	67	52	60	55	60	68	65	70	63.4
Tonopah	Maximum..	91	91	90	90	89	88	88	89	90	91	95	96	94	93	92	88	91	91	89	92	93	90	87	90	90	87	82	76	75	82	85	88.9
	Minimum..	63	66	65	64	68	66	67	66	65	64	69	69	73	67	62	63	62	66	64	68	67	69	68	66	67	62	57	56	56	56	61	64.6

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.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WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

NEVADA SECTION

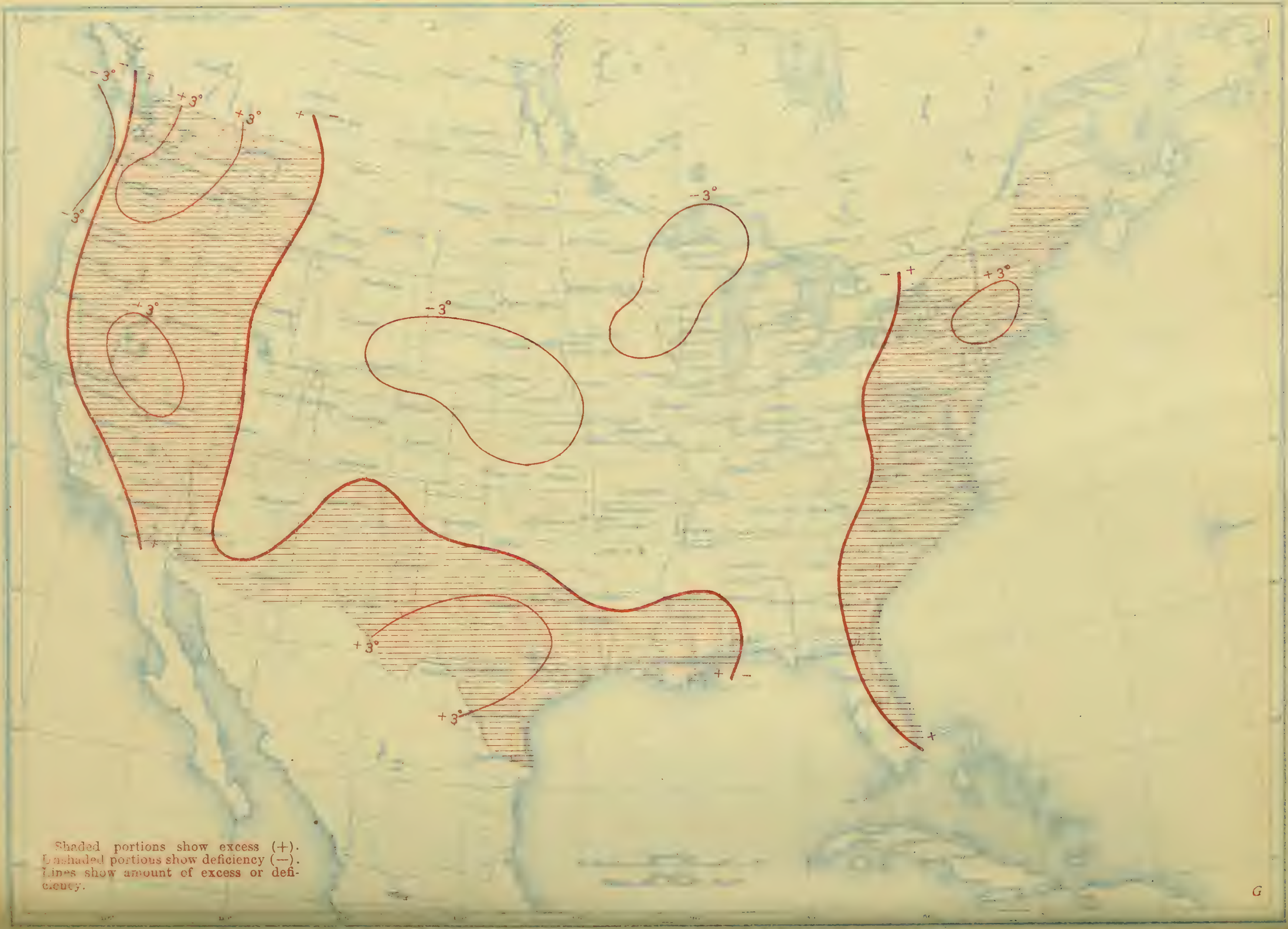
AUGUST, 1917

BY
HENRY F. ALPS
METEOROLOGIST

1862 1889

RENO, NEV.
WEATHER BUREAU OFFICE
SEPTEMBER 20, 1917.

Departure of the Mean Temperature from the Normal, August, 1917.



Shaded portions show excess (+).
Unshaded portions show deficiency (—).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALPS, Meteorologist.

Vol. XXXII. Reno, Nevada, August, 1917. No. 8.

GENERAL SUMMARY.

The temperature for the entire State averaged about normal. The average was much greater than normal at a number of stations, the excess being 5.0° at Reno where the daily average temperatures were all above normal except on the 25th; there were marked deficiencies at several stations in the central portion. Six stations recorded maximum temperatures of 100° or more, and 90° or more occurred at 24 stations. Gold Creek, in the north portion of Elko County, was the only station which recorded a freezing temperature.

The precipitation averaged 0.10 inch less than normal. There was the usual uneven distribution of moisture over the State. Many areas received little or no precipitation, and several stations recorded from one-half to more than one inch. The greatest rainfall occurred in portions of eastern counties, and the least amounts fell in central and western counties. The greatest monthly amount was 2.49 inches at Searchlight, in the extreme south portion of the State.

The month was favorable for the agricultural interests. The harvesting of wheat, oats, and barley was practically completed at the close of the month and good yields were reported. An excellent second crop of alfalfa was cut. The wild hay crop in Humboldt Valley was the best in many years. Potatoes, sugar-beets, garden truck, and fruit made good progress. Stock and ranges continued in excellent condition. Streams were falling, but springs were flowing well.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 35 stations, was 70.6°. The mean for the 22 stations having ten or more years' record was nearly normal. The highest recorded was 108°, at Las Vegas on the 7th; the lowest was 32°, at Gold Creek on the 15th. The greatest daily range was 65°, at Tecoma on the 13th. The highest monthly mean was 83.5°, at Logan; the lowest was 58.0°, at Gold Creek.

PRECIPITATION.

The average for 42 stations reporting was 0.35 inch. For the 26 stations having ten or more years' record, the mean was 0.10 inch below the normal. The average amount at 2 stations in the Columbia Basin was 0.28 inch; at 15 stations in the Humboldt Basin, 0.32 inch; at 5 stations in the Truckee Basin, 0.09 inch; at 4 stations in the Carson Basin, 0.12 inch; at 4 stations in the Walker Basin, 0.20 inch; at 3 stations in the Colorado Basin, 0.61 inch; at 14 stations in the minor basins, 0.46 inch. The greatest monthly fall was 2.49 inches, at Searchlight; there was none at 6 stations. The average number of days with precipitation was 2.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric pressure (sea level).			Mean relative humidity		Wind			
	Mean.	Highest.	Lowest.	5 a. m.	5 p. m.	Average hourly velocity	Max. velocity		
							Miles per hour	Direc.	Date
Reno	29.94	30.20	29.73	56	22	5.6	38	w.	24
Winnemucca	29.98	30.21	29.72	52	20	5.4	35	sw.	15
Tonopah	29.96	30.14	29.72	41	24	6.7	38	se.	21

SUNSHINE AND CLOUDINESS.

At Reno, 83 per cent of the possible sunshine was recorded; at Winnemucca, 89 per cent; at Tonopah, 87 per cent. For the State, the average number of clear days was 20; partly cloudy, 7; cloudy, 4.

MISCELLANEOUS PHENOMENA.

(Dates of.)

Auroras.—8.

Brisk winds.—3, 15, 24, 25.

Thunderstorms.—2, 3, 4, 11, 12, 13, 14, 15, 16, 17, 18, 24, 25, 26, 27.

Hail.—At Paradise Valley, 3; at Pioche, 11, 12; at Searchlight, 4; at Tonopah, 12.

COMPARATIVE DATA FOR AUGUST.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	73.2	117	29	1.06	0	2	19	6	6	s.
1890	70.1	110	28	2.06	0	5	16	9	6	sw.
1891	72.0	101	25	0.44	0	2	21	6	4	s.
1892	71.2	105	20	0.01	0	0	21	9	1	w.
1893	71.1	104	25	0.26	0	2	16	7	8	sw.
1894	71.0	105	30	0.45	0	4	17	7	7	sw.
1895	70.6	112	24	0.15	T.	1	19	8	4	sw.
1896	69.0	109	34	0.82	0	3	16	8	7	w.
1897	73.3	110	31	0.31	0	2	17	8	6	s.
1898	73.6	112	29	0.45	0	2	18	8	5	sw.
1899	63.7	99	20	0.82	T.	3	19	5	7	w.
1900	66.6	110	30	0.04	0	0	22	6	3	sw.
1901	68.3	101	29	2.05	0	6	17	5	9	sw.
1902	68.9	117	30	0.22	0	2	21	5	5	sw.
1903	69.7	114	28	0.10	0	1	24	6	1	sw.
1904	68.6	105	22	1.81	0	7	12	8	11	sw.
1905	70.7	108	31	0.27	0	1	21	6	4	sw.
1906	70.2	111	26	0.80	0	3	17	8	6	w.
1907	67.7	109	22	0.31	0	2	20	7	4	s.
1908	69.7	108	18	0.36	0	2	17	8	6	w.
1909	70.9	112	25	0.48	0	2	21	7	3	sw.
1910	69.3	111	20	0.08	0	1	25	4	2	w.
1911	67.3	110	27	0.01	0	0	27	3	1	w.
1912	67.7	110	23	0.35	0	2	23	5	3	w.
1913	70.4	109	25	0.75	0	5	15	11	5	w.
1914	72.5	122	14	0.14	0	1	23	7	1	sw.
1915	73.3	112	32	0.08	0	1	25	5	1	s.
1916	67.7	112	21	0.25	0	1	23	5	3	sw.
1917	70.6	108	32	0.35	0	2	20	7	4	sw.
Entire period	70.0	122	14	0.53	T.	2	20	7	4	sw.

LATE REPORTS.

June, 1917.—Marlette Lake, total evaporation, 8.544 inches; total wind movement, 2,403 miles.

July, 1917.—Marlette Lake, total evaporation, 10.113 inches; total wind movement, 1,843 miles.

Climatological data for August, 1917.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days.				Prevailing direction of the wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	4	58.0^{b}	...	77^{b}	†2	32^{b}	15	38^{b}	4	0.05	...	0.05	0	1	26^{b}	2^{b}	1^{b}	nw.	U. S. Forest Service.
Mahoney Ran. Sta.**	do	6,200	2	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	Do.
Owyhee	do	5,400	6	65.6^{i}	...	93^{i}	8	39^{i}	7	51^{i}	6	...	...	...	0	...	19^{i}	3^{i}	0^{i}	...	E. A. Schwab.
San Jacinto	do	5,200	12	63.0	+0.6	92	9	35	†7	51	12	0.50	−0.11	0.50	0	1	20	10	1	n.	Utah Construction Co.
Humboldt Basin.																					
Arthur	Elko	6,500	...	...	...	...	...	...	...	...	7	0.86	+0.42	0.57	0	2	27	4	0	...	Isaac Woodhouse.
Austin	Lander	6,594	28	69.0^{c}	+0.9	90^{c}	†2	46^{c}	6	38^{c}	28	0.51	−0.12	0.35	0	4	19	6	6	...	Forest Service.
Battle Mountain	do	4,513	46	...	...	...	...	...	...	...	48	...	...	...	...	...	...	...	...	...	Southern Pacific Co.
Beowawe	Eureka	4,695	46	69.8	−4.1	98	22	39	28	51	48	0.00	−0.19	0.00	0	0	17	13	1	...	Do.
Clover Valley**	Elko	6,000	16	...	...	...	...	...	...	...	24	...	...	...	...	...	...	...	...	...	I. F. Wiseman.
Elko	do	5,063	46	...	...	...	...	...	...	...	47	T.	−0.50	T.	0	0	27	0	4	...	Western Pacific Co.
Eureka	Eureka	6,837	19	...	...	...	...	...	...	...	21	...	...	...	...	...	...	...	...	...	Clay Simms.
Golconda	Humboldt	4,392	38	70.7	−0.5	94	1	44	28	44	40	0.01	−0.08	0.01	0	1	11	20	0	...	Southern Pacific Co.
Hylton **	Elko	7,081	...	...	...	...	...	...	...	...	7	0.00	...	0.00	0	0	29	2	0	...	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	4	72.0	−0.9	99	20	44	†7	54	4	T.	−0.14	T.	0	0	23	2	6	...	Southern Pacific Co.
Lamoille	Elko	6,100	2	68.6	...	89	†2	47	26	37	2	0.90	+0.36	0.90	0	1	13	18	0	se.	Elko-Lamoille Power Co.
Lovelock	Humboldt	3,977	23	70.0	−4.1	97	1	41	†7	50	21	0.00	−0.04	0.00	0	0	21	6	4	s.	John R. Montgomery.
Metropolis §	Elko	5,661	4	66.0^{o}	...	91^{n}	9	37^{o}	11	47^{o}	8	0.63	+0.41	0.35	0	2	8^{n}	9^{n}	0^{n}	...	L. F. Hatch.
North Fork	do	6,500	...	...	...	...	...	...	...	...	8	0.63	...	0.48	0	2	9	16	6	w.	Chas. Pratt.
Paradise Valley	Humboldt	4,500	4	65.4	...	95	†17	33	11	53	8	0.63	...	0.51	0	3	21	7	3	sw.	R. M. Taylor.
Potts	Nye	6,002	24	62.6	−5.2	90	†1	36	28	50	26	T.	−0.57	T.	0	0	18	9	4	s.	Miss Irene Potts.
Tecoma	Elko	4,812	39	70.5	−0.3	100	10	33	13	65	41	0.00	−0.23	0.00	0	0	12	19	0	...	Southern Pacific Co.
Winnemucca	Humboldt	4,344	40	71.0	+0.2	97	2	42	7	48	48	0.57	+0.40	0.52	0	3	22	5	4	ne.	U. S. Weather Bureau.
Truckee Basin.																					
Franktown §	Washoe	5,054	2	66.2	−1.7	93	23	39	†5	50	2	0.20	−0.16	0.20	0	1	18	9	4	...	Agent V. & T. Ry.
Marlette Lake**	do	7,900	2	60.7	...	79	23	42	7	33	4	0.10	...	0.07	0	2	20	10	1	sw.	V. & G. H. Water Co.
Reno	do	4,532	30	72.0	+5.0	97	23	48	27	43	30	0.12	−0.13	0.11	0	2	21	6	4	w.	U. S. Weather Bureau.
Bijou, Cal.		6,230	2	...	...	...	...	...	...	...	8	...	...	...	...	...	...	...	...	...	Chas. Young.
McKinney, Cal.**		6,225	...	...	...	...	...	...	...	...	8	0.01	...	0.01	0	1	28	2	1	w.	Henry Soll.
Tahoe, Cal.		6,230	9	62.4	...	89	23	35	6	47	9	0.04	...	0.04	0	1	12	10	9	w.	Mrs. Emma C. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	23	73.4	+1.4	99	23	47	26	47	23	0.05	−0.07	0.03	0	3	27	2	2	sw.	U.S. Experiment Station.
Gardnerville	Douglas	4,830	26	65.7^{l}	−1.9	88^{l}	23	39^{l}	6	46^{l}	27	0.13	−0.07	0.13	0	1	12^{l}	3^{l}	4^{l}	w.	Forest Service.
Lahontan **	Churchill	4,200	5	76.7	...	97	2	55	27	35	7	0.14	...	0.14	0	1	22	8	1	w.	U.S. Reclamat'n Service.
Markleeville, Cal.		5,525	...	...	...	...	...	...	...	...	8	0.16	...	0.08	0	4	18	12	1	s.	Mrs. Mary Thornburg.
Woodfords, Cal. **		5,634	...	...	...	...	...	...	...	...	8	...	...	...	...	...	...	...	...	...	Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	10	75.4	−0.6	101	4	48	30	48	21	0.00	−0.41	0.00	0	0	...	...	...	...	Southern Pacific Co.
Smith	Lyon	4,800	...	...	...	...	...	...	...	...	9	0.46	...	0.26	0	4	9	12	10	sw.	C. M. Carter.
Thorne §	Mineral	4,200	4	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	Southern Pacific Co.
Yerington §	Lyon	4,375	8	...	...	...	...	...	...	...	8	...	...	...	...	...	...	...	...	...	S. L. Netherton.
Bridgeport, Cal.		6,500	4	...	...	...	...	33	†6	...	6	0.30	...	0.15	0	3	14	9	8	w.	Edward L. Brandon.
Shields Ranch, Cal. **		5,300	...	...	...	...	...	...	...	...	8	0.06	...	0.04	0	2	20^{a}	10^{a}	0^{a}	...	Bruce H. Chichester.
Colorado Basin.																					
Indian Springs §**	Clark	3,136	4	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	Ira McFarland.
Las Vegas	do	2,033	15	83.4	+3.4	108	7	57	†17	46	15	0.32	−0.25	0.12	0	4	23	6	2	s.	C. P. Squires.
Logan §	do	1,355	10	83.5	−2.6	107	†5	53	†19	51	18	0.00	−0.44	0.00	0	0	19	7	5	...	Experiment Farm.
Mt. Charleston **	do	9,000	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	E. W. Griffith.
Pioche	Lincoln	6,100	19	68.9	−2.7	91	23	48	28	37	19	1.50	+0.04	0.50	0	5	20	8	3	s.	L. H. Beason.
Minor Basins.																					
Cherry Creek	White Pine	6,450	9	...	...	...	...	...	...	...	9	...	...	...	...	...	...	...	...	...	L. F. Howard.
Duck Flat **	Washoe	4,725	...	...	...	...	...	...	...	...	3	0.48	...	0.28	0	3	25	4	2	nw.	C. T. Smith.
Francis (near)	do	5,350	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	Geo. W. Barnard.
Gerlach	do	3,931	5	72.5	...	99	2	42	12	52	5	0.10	...	0.10	0	1	24	0	7	sw.	Western Pacific Co.
Goldfield	Esmeralda	5,700	10	77.2^{c}	+4.8	96	†6	57^{f}	5	38^{f}	12	0.54	−0.03	0.19	0	6	21	3	7	se.	R. W. Robinson.
Jungo††	Humboldt	4,165	...	...	...	...	...	...	...	...	4	0.30	...	0.30	0	1	25	3	3	...	Western Pacific Co.
Lida §	Esmeralda	6,037	5	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...	...	...	L. F. Detwiler.
McDermitt	Humboldt	4,700	6	70.6	−1.7	96	24	46	7	44	30	0.07	−0.08	0.07	0	1	27	1	3	e.	U. S. Indian Service.
McGill §	White Pine	6,338	7	70.8	+5.9	96	2	46	27	42	7	1.20	+0.12	0.46	0	3	14	10	7	n.	R. E. Middagh.
Millett	Nye	5,040	9	66.4	...	92	†7	39	7	53	10	T.	...	T.	0	0	18	5	8	...	Fred J. Jones.
Oak Springs **	do	5,900	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	Mrs. R. E. Bower.
Oasis Ranch §**	Esmeralda	5,106	5	70.4^{i}	+3.1	97^{b}	10	46^{b}	20	45^{b}	5	0.11	−0.45	0.07	0	2	17^{b}	6^{b}	6^{b}	...	Arthur L. Stewart.
Pahrump	Nye	2,608	4	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	F. M. Buol.
Quinn Riv. Ranch **	Humboldt	4,850	15	69.8^{j}	+2.7	98^{j}	†3	39^{j}	12	56^{j}	16	T	−0.18	T.	0	0	11^{j}	9^{j}	1^{j}	sw.	F. M. Payne.
Rebel Creek	do	4,300	5	71.2	...	94	2	47	7	39	6	0.30	...	0.25	0	3	10	17	4	sw.	Fred Whitaker.
Sand Pass **	Washoe	4,198	4	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	R. R. Mott.
Searchlight	Clark	3,445	4	82.6	...	100	†1	60	12	31	4	2.49	...	0.89	0	6	20	5	6	s.	C. L. Aug. Mahn.
Sharp	Nye	6,200	4	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	F. A. Sears.
Sulphur	Humboldt	4,044	4	77.8^{b}	...	102	24	48^{d}	22	52^{d}	4	T.	...	T.	0	0	24	2	5	sw.	Western Pacific Co.
Tonopah	Nye	6,090	12	72.4	...	89	2	54	12	26	12	0.58	...	0.32	0	5	18	11	3	se.	U. S. Weather Bureau.
Vya	Washoe	5,500	...	...	...	...	...	...	...	...	4	0.20	...	0.12	0	2	25	3	3	sw.	L. A. Mariette.
For the State	...			70.6	0.0	108	7	32	15	65	...	0.35	−0.10	0.90	0	2	20	7	4	sw.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Mahoney Ranger Station, Jarbridge; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of McKinney, Hellman's, Lake Tahoe, Cal.; of Lahontan, Hazen; of Woodfords, Cal., Sheridan, Nev.; of Shields Ranch, Coleville, Cal.; of Indian Springs, Las Vegas; of Mt. Charleston, Las Vegas; of Duck Flat, Sunkist; of Oak Springs, Las Vegas; of Oasis Ranch, Oasis, Cal.; of Quinn River Ranch, Amos; of Sand Pass, Sheepshead.

Reference letters, ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing, for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow

Daily precipitation for August, 1917.

Stations.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Columbia Basin.																																
Gold Creek (near)																																
Mahoney Ranger Station ||||																.05																0.05
Owyhee																																
San Jacinto			T.											T.		.50										T.						0.50
Humboldt Basin.																																
Arthur																																
Austin																.29									.57							0.86
Battle Mountain			.10												.35	.04	.02															0.51
Beowawe																																....
Clover Valley																																0.00
Elko			T.																													T
Eureka																																
Golconda				T.																						T.						T
Hylton																																0.00
Imlay																T.	T.															T
Lamoille ||||			.90																													0.90
Lovelock																																0.00
Metropolis ||||			T.	.35										T.	T.	.28	T.															0.63
North Fork																.48									.15							0.63
Paradise Valley			.09										T.	T.	T.		T.	T.						T.	.51	.03						0.63
Potts				T.	T.																											T
Tecoma																																0.00
Winnemucca***		T.	.05																						.04	.48						0.57
Truckee Basin.																																
Franktown		T.																						T.	.20							0.20
Marlette Lake ||||																									.03	.07						0.10
Reno ***		.01	T.										T.	T.	T.	T.								T.	.11		T.					0.12
Bijou, Cal.																																....
McKinney, Cal.																								T.	.01							0.01
Tahoe, Cal. ||||		T	T.										T.		T.	T.									.04							0.04
Carson Basin.																																
Fallon||||			.01																						.03	.01						0.05
Gardnerville		.13	T.																													0.13
Lahontan																									.14							0.14
Markleeville, Cal.	.03	.08	.02								T.	T.	T.												.03							0.16
Woodfords, Cal.																																....
Walker Basin.																																
Mina																																0.00
Smith		T.	.05												.05	.10								T.	.26							0.46
Thorne																																....
Yerington																																....
Bridgeport, Cal.	.10	.15									.05	T.	T.	T.																		0.30
Shields Ranch, Cal.	.04	.02											T.	T.	T.									T.								0.06
Colorado Basin.																																
Indian Springs ||||																																....
Las Vegas			.09							.06		.12			.05																	0.32
Logan																																0.00
Mt. Charleston																																....
Pioche				.45	.15				T.		.30	.50	.10	T.	T.	T.									T.							1.50
Minor Basins.																																
Cherry Creek																																....
Duck Flat			.07										.28												.13							0.48
Francis (near)																																....
Gerlach																										.10						0.10
Goldfield			.15	.02									.19	.01											.12	.05						0.54
Jungo																									.30							0.30
Lida																																....
McDermitt															T.											.07						0.07
McGill			.35	.46											.39																	1.20
Millett			T.																					T.								T.
Oak Springs																																....
Oasis Ranch											.04			.07																		0.11
Pahrump																																....
Quinn River Ranch																									T.							T.
Rebel Creek			.03												T.	T.											.25	.02				0.30
Sand Pass																																....
Searchlight				.53							.89	.39	.61											.05	.02							2.49
Sharp																																....
Sulphur																										T.						T.
Tonopah***			.03								T.	.32	T.	.04	T.	T.								.04	.16							0.58
Vya ||||																									.12	.08						0.20

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.
|||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

Daily evaporation (inches) and wind movement (miles) for August, 1917.

(See temperature and precipitation data in climatological tables, pages 60 to 62.)

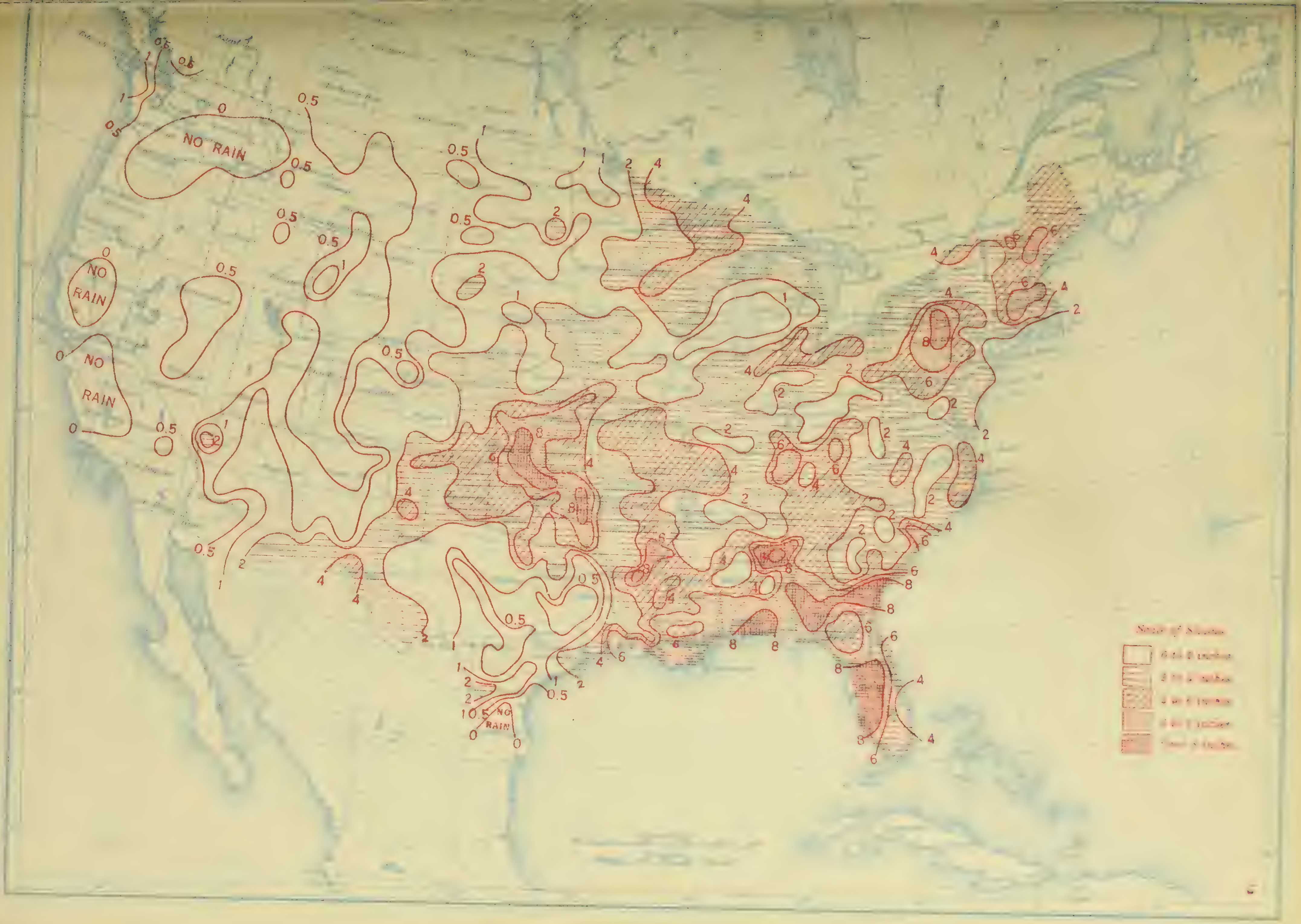
Stations.	Data.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Monthly.
ndian Springs*	Evaporation																																
	Wind movement																																
amoille*	Evaporation																																
	Wind movement																																
arlette Lake.,*	Evaporation	.269	.271	.253	.301	.329	.337	.346	.303	.314	.338	.392	.374	.091	.239	.218	.106	.305	.241	.261	.292	.318	.258	.283	.260	.117	.087	.237	.252	.281	.282	.288	8.243
	Wind movement	39	45	28	61	62	68	61	41	51	57	113	46	53	34	22	18	61	40	42	51	43	33	42	65	25	53	54	49	67	62	51	1.537
ahoe, Cal.**	Evaporation	.270	.155	.075	.245	.240	.245	.470	.245	.300	.165	.135	.170	.070	.180	.195	.110	.330	.190	.180	.175	.185	.215	.105	.270	.155	.105	.140	.190	.200	.190	.125	6.025
	Wind movement	12	85	58	74	73	83	125	78	71	42	34	47	34	64	57	45	65	75	52	52	55	46	81	41	56	43	65	58	55	61	59	1,846

* Observations taken at 7 a. m.; ** at 8 a. m. ‡ Included in next following entry.

Daily temperatures for August, 1917.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek (near)	Maximum	74	77	76	73	74	76	75	74	76	77	76	74	....	....	70	73	72	67	70	74	73	76	75	73	76	75	76	74	75	73	74	74.1
	Minimum	40	41	42	45	42	43	44	40	42	45	46	44	....	....	32	38	40	43	44	40	41	44	43	40	40	41	46	44	41	42	45	42.0
Owyhee	Maximum	88	92	89	86	85	83	85	93	92	85	82	85	88	89	89	81	83	....	....	....	....	....	....	....	....	....	78	82	84	85	85	85.9
	Minimum	41	41	59	46	46	40	39	43	50	47	44	43	46	46	45	45	52	....	....	....	....	....	....	....	....	....	47	44	44	43	45	45.3
San Jacinto	Maximum	86	89	80	82	82	84	84	91	92	82	79	84	85	84	85	81	79	80	80	86	89	84	87	89	89	75	72	79	82	83	86	83.5
	Minimum	38	38	55	48	42	39	35	47	52	51	39	35	38	41	43	49	46	47	42	41	42	42	36	42	40	57	46	36	37	40	38	42.6
Humboldt Basin.																																	
Austin	Maximum	88	90	82	85	86	84	89	90	89	87	....	84	....	82	79	73	77	81	82	88	89	90	....	90	78	78	80	84	86	85	85	84.3
	Minimum	55	56	57	53	53	46	51	57	56	57	....	51	....	53	54	50	50	50	51	57	58	56	....	58	57	47	48	56	57	57	54	53.8
Battle Mountain	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Elko	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Eureka	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Imlay	Maximum	97	92	98	97	96	95	92	94	94	92	93	94	88	89	91	91	92	89	97	99	98	96	97	96	87	84	82	86	87	85	86	92.1
	Minimum	60	65	70	71	60	61	44	46	50	48	47	45	45	48	45	48	47	44	47	46	44	48	63	60	50	52	55	56	50	48	45	51.9
Lamoille	Maximum	86	89	80	82	88	80	84	88	89	86	85	83	84	82	81	80	80	80	82	85	87	84	89	87	81	77	79	80	83	82	83	83.4
	Minimum	55	55	57	51	51	52	51	56	59	53	50	49	51	53	52	51	51	53	54	57	59	56	58	58	59	47	54	52	53	51	56	53.7
Paradise Valley	Maximum	88	93	86	86	87	84	85	90	89	88	85	86	88	87	92	84	95	85	88	90	92	92	95	84	76	78	85	88	89	88	88	87.5
	Minimum	41	45	53	43	44	39	37	41	42	39	33	40	41	44	44	52	42	44	43	42	41	43	45	47	56	50	41	42	40	46	42	43.3
Potts	Maximum	90	81	89	88	87	89	84	84	85	85	87	85	86	84	80	80	81	83	82	84	85	89	90	90	87	85	86	84	82	80	83	85.0
	Minimum	40	39	40	42	41	43	40	41	43	42	41	40	40	39	38	39	40	41	40	42	40	44	42	40	39	38	39	36	38	38	39	40.1
Tecoma	Maximum	92	97	96	94	97	98	93	99	100	98	90	92	98	94	98	94	93	90	94	91	90	92	96	98	94	97	98	94	92	96	94	94.8
	Minimum	47	49	45	48	46	44	48	54	57	54	43	47	33	37	39	47	44	46	48	47	44	41	47	52	38	44	48	46	47	51	50	46.2
Winnemucca	Maximum	94	97	89	90	88	87	90	93	93	90	87	90	92	90	91	83	88	89	90	94	96	95	96	96	80	74	84	87	90	90	91	89.8
	Minimum	55	52	62	50	57	45	42	52	48	52	52	52	47	59	51	57	51	51	49	48	48	57	58	58	61	57	48	47	53	55	46	52.3
Truckee Basin.																																	
Franktown	Maximum	92	87	87	86	87	88	89	88	88	89	89	87	81	81	81	88	87	86	86	89	92	91	93	89	81	83	87	84	88	88	90	87.2
	Minimum	52	52	51	49	39	40	39	45	45	44	46	46	44	43	55	43	44	42	44	48	48	49	48	49	43	42	45	45	41	40	43	45.3
Marlette Lake	Maximum	76	76	71	71	72	73	75	72	73	75	73	69	73	72	64	69	69	71	73	76	76	76	79	73	60	76	70	71	72	72	73	72.3
	Minimum	53	55	54	51	48	46	42	48	50	48	55	50	50	47	51	48	46	47	47	51	51	49	52	53	49	46	47	48	48	45	47	49.1
Reno	Maximum	96	91	90	89	89	89	93	94	91	93	92	86	86	89	83	85	86	88	90	92	95	95	97	92	67	84	85	89	91	88	92	89.3
	Minimum	60	61	60	57	51	49	50	53	52	52	53	58	58	51	60	59	53	53	55	55	56	58	58	61	54	49	48	52	53	50	53	54.6
Tahoe, Cal	Maximum	88	81	81	81	82	82	83	83	83	85	84	77	80	82	73	81	80	80	82	84	87	87	89	80	70	77	78	82	83	81	82	81.5
	Minimum	50	48	51	45	37	35	36	38	41	42	46	45	43	43	48	45	42	41	43	44	44	46	46	47	48	43	40	42	43	38	39	43.2
Carson Basin.																																	
Fallon §§	Maximum	96	98	92	94	96	92	93	95	96	93	91	92	92	92	89	88	90	92	93	95	97	97	99	96	71	86	87	92	93	92	93	92.3
	Minimum	55	62	59	54	51	49	48	51	53	51	62	55	57	54	60	60	56	54	58	52	56	53	52	59	61	47	49	52	49	54	52	54.4
Gardnerville	Maximum	87	85	83	....	....	85	....	86	....	86	....	....	85	83	77	81	81	....	....	....	87	86	88	85	....	....	79	81	....	84	86	83.9
	Minimum	53	52	50	....	....	39	....	41	....	46	....	....	49	46	57	47	47	....	....	....	46	50	49	53	....	....	44	45	....	43	46	47.5
Lahontan	Maximum	96	97	91	93	93	94	92	93	93	91	90	91	91	90	89	89	88	88	90	93	94	92	95	93	79	83	86	89	90	92	92	90.9
	Minimum	67	70	65	62	58	60	61	60	64	63	62	62	61	66	64	60	58	62	66	66	67	65	62	62	61	61	55	61	62	60	63	62.5
Walker Basin.																																	
Mina	Maximum	96	100	91	101	98	98	99	91	98	98	94	93	92	91	92	92	91	92	93	94	95	98	99	96	87	94	95	94	93	96	98	94.8
	Minimum	55	60	57	65	61	54	58	62	64	63	63	54	52	54	53	53	53	55	54	54	56	52	52	57	53	57	53	54	52	48	56	55.9
Yerington	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Bridgeport, Cal	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	81	82	84	84	....
	Minimum	42	46	45	43	37	33	33	37	40	39	36	39	43	36	46	37	37	37	35	35	37	38	35	52	37	35	35	35	36	35	36	38.3
Colorado Basin.																																	
Indian Springs	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Las Vegas	Maximum	102	104	100	100	104	106	108	106	106	107	96	93	99	98	101	102	101	100	100	100	103	102	105	105	105	104	102	102	103	104	105	102.4
	Minimum	70	70	70	73	70	70	69	70	71	76	71	65	63	64	66	60	57	57	57	57	57	60	64	64	65	61	60	60	60	60	59	64.4
Logan	Maximum	105	105	100	103	107	107	106	104	106	95	93	95	95	101	99	100	101	101	101	98	100	104	106	104	101	101	102	102	104	104	103	101.7
	Minimum	72	64	76	73	71	71	74	73	72	73	69	67	69	70	63	63	59	59	53	53	54	53	60	71	75	66	62	59	60	57	64	65.3
Pioche	Maximum	83	84	87	87	88	82	85	85	86	87	88	87	76	74	85	87	82	84	87	89	89	90	91	86	78	82	84	84	85	85	85	84.9
	Minimum	54	53	54	54	54	53	53	52	52	53	57	55	55	50	52	52	50	49	53	54	55	56	54	54	57	56	52	48	50	50	50	52.9
Minor Basins.																																	
Cherry Creek	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Gerlach	Maximum	97	99	93	92	92	91	93	92	93	92	93	94	93	91	93	88	90	92	93	95	96	97	97	97	93	78	87	90	93	92	94	92.6
	Minimum	56	61	60	54	60	51	46	47	48	43	44	42	55	45	55	63	48	55	59	49	53	52	56	55	62	58	48	47	54	51	48	52.4
Goldfield	Maximum	93	94	90	87	93	96	94	93	95	94	83	82	87	84	86	85	86	87	89	92	89	90	96	90	86	82	87	88	89	91	91	89.3
	Minimum	59	60	64	61	57	58	58	65	71	74	72	66	66	67	68	67	68	65	66	66	65	67	70	68	62	....	....	....	....	....	....	65.2
McDermitt	Maximum	92	93	89	86	87	85	86	92	90	85	88	87	89	90	85	86	84	87	92	93	92	91	93	96	83	73	82	87	89	89	88	88.0
	Minimum	54	60	56	53	49	47	46	48	52	49	52	52	55	56	55	49	54	51	55	58	55	52	58	57	57	54	50	51	53	55	52	53.1
McGill	Maximum	92	96	91	86	92	92	93	95	95	90	85	84	84	79	84	84	82	83	85	87	89	92	92	91	83	82	82	85	87	87	88	87.6
	Minimum	52	56	55	57	57	50	53	60	60	65	58	53	51	53	49	50	50	49	54	51	57	53	55	54	63	53	46	50	50	57	52	54.0
Millett	Maximum	88	91	83	88	90	88	92	90	92	88	83	83	81	82	79	79	81	86	85	89	89	90	91	89	82	82	79	85	86	87	86	85.9
	Minimum	50	44	61	52	46	44	39	51	44	48	60	49	43	45	50	45	45	43	45	45	54	45	46	49	55	41	44	44	40	43	40	46.8
Oasis Ranch	Maximum	90	92	90	....	....	90	86	84	84	97	82	80	88	85	83	81	85	85	92	87	86	87	90	85	87	79	88	85	89	88	89	86.7
	Minimum	55	58	63	....	....	56	52	61	55	61	61	56	51	52	57	57	54	50	47	46	50	50	48	64	67	54	50	48	47	48	50	54.1
Rebel Creek	Maximum	90	94	88	87	88	85	86	91	90	89	85	88	89	88	87	83	86	85	90	90	91	90	91	91	82	73	80	79	89	87	88	87.1
	Minimum	55	55	59	54	59	59	47	52	52	56	56	58	52	55	58	57	51	56	57	52	55	55	55	58	62	55	53	55	54	57	53	55.2
Sand Pass	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Searchlight	Maximum	100	100	93	93	99	100	99	99	98	99	90	84	84	90	92	93	95	95	92	93	96	99	98	98	94	94	97	97	99	97	95	95.2
	Minimum	70	74	70	64	68	74	74	74	72	75	64	60	64	68	69	70	69	69	67	65	66	74	75	79	70	70	69	72	73	74	68	70.0
Sharp	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Sulphur	Maximum	100	98	100	98	100	98	100	98	98	94	100	98	96	98	100	98	96	98	100	98	100	98	100	102	100	100	100	90	94	90	96	97.9
	Minimum	65	70	70	65	60	60	58	55	54	57	60	56	54	56	54	56	54	60	60	56	55	48	50	50	65	58	54	....	....	....	....	57.8
Tonopah	Maximum	88	89	83	85	89	88	88	88	88	86	74	76	80	79	78	78	81	81	82	84	83	84	88	84	80	77	81	82	83	85	84	83.1
	Minimum	67	67	64	59	64	62	66	67	66	65	60	54	56	58	57	57	61	62	59	65	62	61	69	59	57	57	56	63	64	64	61	61.6

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.



NO RAIN
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0
0.5
1
2
4
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8

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WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

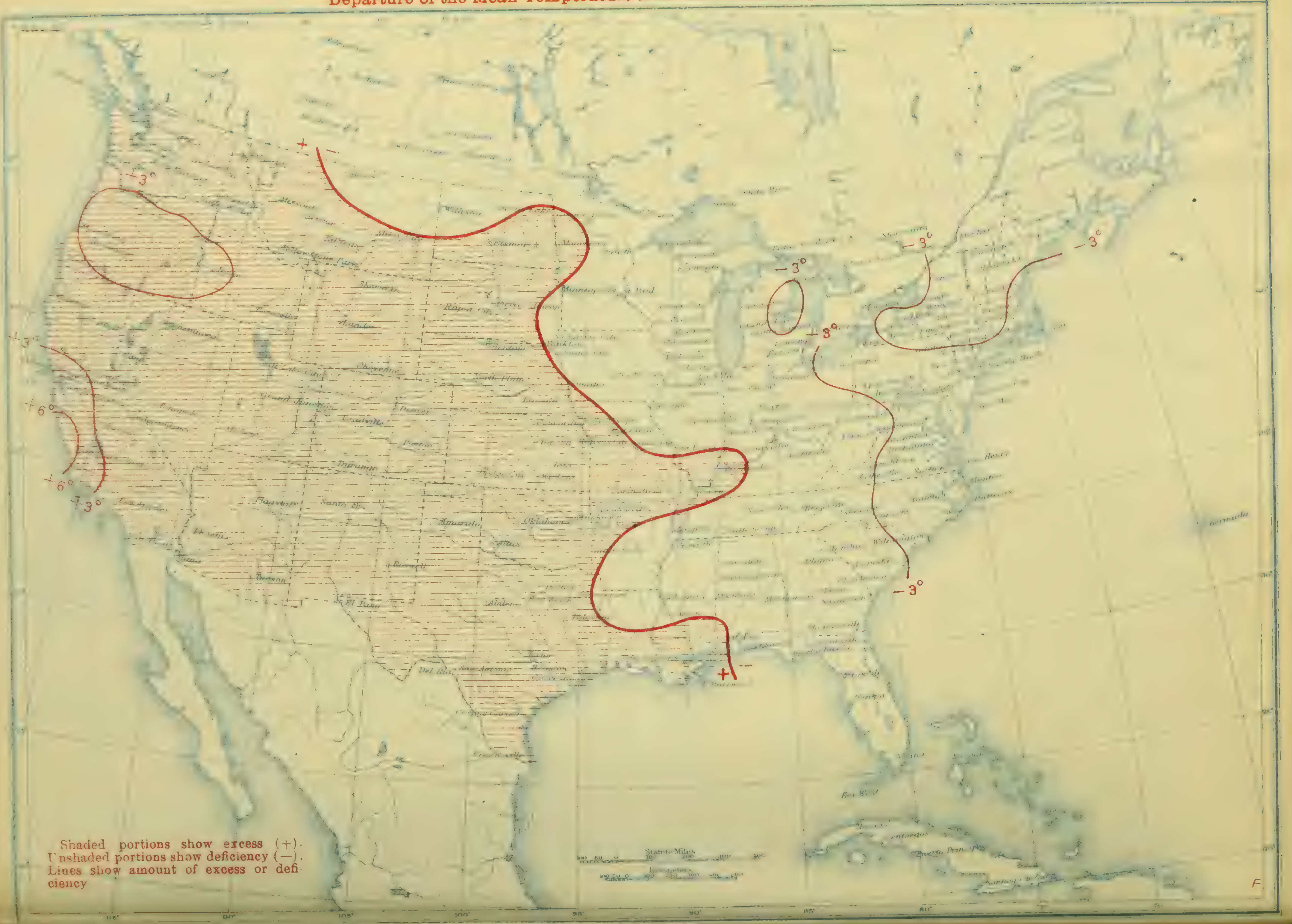
NEVADA SECTION

SEPTEMBER, 1917

BY
HENRY F. ALPS
METEOROLOGIST

RENO, NEV.
WEATHER BUREAU OFFICE
OCTOBER 19, 1917.

Departure of the Mean Temperature from the Normal, September, 1917.



Shaded portions show excess (+).
Unshaded portions show deficiency (—).
Lines show amount of excess or deficiency

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALPS, Meteorologist.

Vol. XXXII. Reno, Nevada, September, 1917. No. 9.

GENERAL SUMMARY.

September was warm and dry, with about the normal amount of sunshine and wind movement. The greatest excesses in temperature were in the west portion, and the least were in the east portion. Cool periods occurred from the 14th to the 16th, and from the 22d to the 26th, when frosts were reported in all sections except the extreme south portion. Only tender vegetation was damaged, except in exposed places in northern counties where killing frosts occurred. There were 25 stations which reported temperatures of 90° or higher, and 24 stations where the temperature fell to freezing or lower.

The precipitation for the entire State averaged much less than normal. The greatest rainfall occurred in eastern counties, and the least amounts fell in the west half of the State. There were 20 stations which received no measurable precipitation; a half inch or more fell at six stations, and two recorded over one inch. The only snowfall reported was a trace at Potts. The flow of water in streams was generally greater than it has been for a number of years.

The weather was favorable for the maturing and harvesting of late crops, and all farm work proceeded without interruption. The quality and yields of grain were good. The cutting of alfalfa was completed in the lower valleys. Potato digging had started with good results. Sugar-beets were maturing well. Apples were being picked, with prospects for a large crop. Garden truck developed well, except that it was somewhat warm for celery. Cattle and sheep were in excellent condition, and some stock was being gathered for beef.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 37 stations, was 62.1°. The mean for the 25 stations having ten or more years' record was 1.3° above normal. The highest recorded was 105°, at Logan on the 5th; the lowest was 21°, at Paradise Valley on the 14th. The greatest daily range was 60°, at Battle Mountain on the 7th, and at Quinn River Ranch on the 28th. The highest monthly mean was 77.4°, at Logan; the lowest was 51.4°, at Gold Creek.

PRECIPITATION.

The average for 46 stations reporting was 0.22 inch. For the 28 stations having ten or more years' record, the mean was 0.14 inch below the normal. The average amount at 3 stations in the Columbia Basin was 0.66 inch; at 18 stations in the Humboldt Basin, 0.25 inch; at 4 stations in the Truckee Basin, 0.03 inch; at 4 stations in the Carson Basin, 0.01 inch; at 4 stations in the Walker Basin, a trace; at 3 stations in the Colorado Basin, 0.74 inch; at 15 stations in the minor basins, 0.10 inch. The greatest monthly fall was 1.51 inches, at Pioche; there was none at 11 stations. The average number of days with precipitation was 1.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric pressure (sea level).			Mean relative humidity		Wind.			
						Average hourly velocity	Max velocity		
	Mean	Highest.	Lowest.	5 a. m.	5 p. m.		Miles per hour	Direc.	Date
Reno	29.96	30.21	29.74	60	23	6.7	35	w	12
Winnemucca	30.00	30.24	29.65	52	23	5.5	27	s	[illegible]
Tonopah	29.96	30.18	29.71	42	24	8.1	36	nw	22

SUNSHINE AND CLOUDINESS.

At Reno, 88 per cent of the possible sunshine was recorded; at Winnemucca, 89 per cent; at Tonopah, 94 per cent. For the State, the average number of clear days was 20; partly cloudy, 6; cloudy, 4.

MISCELLANEOUS PHENOMENA.

(Dates of.)

Brisk winds.—1, 2, 3, 4, 5, 10, 11, 12, 14, 15, 16, 21, 23, 29.

Fog.—6.

Solar halos.—14.

Thunderstorms.—2, 4, 5, 6, 7, 12, 13, 19, 20, 21, 22, 23, 29, 30.

COMPARATIVE DATA FOR SEPTEMBER.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	61.7	110	13	0.16	0	1	22	4	4	sw.
1890	64.2	110	18	0.81	0	3	17	6	7	s.
1891	58.9	98	5	0.94	0.2	5	15	7	8	sw.
1892	62.8	109	15	0.09	0	1	20	5	5	sw.
1893	57.5	99	16	0.51	T.	3	16	7	7	sw
1894	58.8	96	10	0.35	0.6	2	21	4	5	w
1895	59.9	106	0	0.27	0.3	1	20	4	3	w.
1896	58.3	102	15	0.35	T.	2	17	7	6	sw.
1897	60.4	105	21	0.16	0	1	18	7	5	w.
1898	61.1	97	18	0.20	T.	1	22	4	4	w.
1899	63.0	98	24	0.05	0	0	24	3	3	w.
1900	56.1	99	17	0.30	0.4	2	19	5	6	sw.
1901	56.2	95	20	0.39	2.2	2	21	5	4	sw.
1902	61.7	113	10	0.21	0.2	2	19	5	6	sw.
1903	60.2	114	17	0.18	T.	1	22	5	3	sw.
1904	60.4	103	19	0.93	0.1	4	17	5	8	s.
1905	61.1	103	19	0.51	0.7	1	19	5	6	sw.
1906	60.2	103	18	0.30	T.	2	20	6	4	w.
1907	59.9	108	12	0.35	0.4	2	20	6	4	s.
1908	59.8	108	6	0.82	0	3	17	7	6	w.
1909	60.8	100	16	0.73	0	3	16	8	6	w.
1910	61.5	108	20	0.73	0	2	21	4	5	w.
1911	57.5	107	10	0.35	0	1	19	6	5	w.
1912	56.6	98	8	0.36	0.4	2	20	5	5	w.
1913	61.4	107	10	0.46	T.	1	21	6	3	w.
1914	58.9	103	17	0.45	0.3	2	19	7	4	sw.
1915	60.7	104	19	0.48	0.1	2	22	5	3	w.
1916	61.6	106	16	0.32	T.	1	24	4	2	sw.
1917	61.2	105	21	0.22	T.	1	20	6	4	sw.
Entire period	60.1	114	0	0.41	0.2	2	20	5	5	w.

LATE REPORTS.

August, 1917.—Yerington, (three days missing) mean temperature, 75.2°; highest, 93°, on the 2d; lowest, 48°, on the 16th; total precipitation, 0.19 inch; number of days with precipitation, 2; clear, 17; partly cloudy, 0; cloudy, 11.

CORRECTIONS.

August, 1917.—Marlette Lake, evaporation on the 24th should be .360 inch; total evaporation should be 8.343 inches.

Climatological data for September, 1917.

Stations.	Counties.	Elevation, feet.	Temperature, in degrees Fahr.								Precipitation, in inches.					Number of days.				Prevailing direction of the wind.	Observers.
			Length of record, years.	Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	4	51.4	......	76	†7	25	14	36	4	0.15	....	0.07	0	3	16	6	8	n.	U. S. Forest Service.
Mahoney Ran. Sta.**	do	6,200	2								2	1.26	....	0.65	0	2					Do.
Owyhee	do	5,400	6								6										E. A. Schwab.
San Jacinto	do	5,200	12	57.4	+3.2	86	†1	25	15	55	12	0.56	−0.11	0.46	0	2	18	5	7	n.	Utah Construction Co.
Humboldt Basin.																					
Arthur	Elko	6,500									7	0.80	+0.08	0.68	0	2	13ᵈ	13ᵈ	0ᵈ	......	Isaac Woodhouse.
Austin	Lander	6,594	28	61.1ᵃ	+2.0	89ᵃ	1	32ᵃ	25	37ᵃ	28	0.05	−0.43	0.03	0	2	19ᵃ	5ᵃ	5ᵃ	......	Forest Service.
Battle Mountain	do	4,513	46	66.4ᵇ	+4.3	97ᵃ	†1	34ᵃ	†28	60ᶜ	48	0.00	−0.30	0.00	0	0	23	5	2	......	Southern Pacific Co.
Beowawe	Eureka	4,695	46	60.6	−1.2	94	1	25	25	54	48	0.00	−0.24	0.00	0	0	23	3	4	......	Do.
Clover Valley**	Elko	6,000	16	59.0ᵃ	+1.4	85ᵃ	1	28ᵃ	25	45ᵃ	24	0.43	−0.11	0.19	0	3	20	1	9	......	J. D. Weeks.
Elko	do	5,063	46	57.9	+1.0	94	1	24	†24	57	47	0.20	−0.24	0.20	0	1	17	7	6	w.	Western Pacific Co.
Eureka	Eureka	6,837	19	61.8	+0.5	90	1	26	25	41	21	0.63	−0.05	0.24	0	7	16	8	6	s.	Clay Simms.
Golconda	Humboldt	4,392	38	62.2	+2.5	90	2	32	24	48	40	0.02	−0.28	0.02	0	1	16	14	0	......	Southern Pacific Co.
Hylton**	Elko	7,081									7	0.78	....	0.26	0	4	23	6	1	......	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	4	63.2	+2.0	90	20	30	25	52	4	0.00	−0.22	0.00	0	0	26	0	4	n.	Southern Pacific Co.
Lamoille	Elko	6,100	2	61.0	......	86	1	33	26	46	2	0.23	−0.14	0.13	0	2	17	9	4	se.	Elko-Lamoille Power Co.
Lovelock	Humboldt	3,977	23	60.2	−3.2	91	1	29	25	49	21	0.00	−0.25	0.00	0	0	22	2	6	s.	John R. Montgomery.
Metropolis §	Elko	5,661	4	57.8	......	85	†1	26	14	48	8	0.40	+0.21	0.40	0	1	19	9	2	......	L. F. Hatch.
North Fork	do	6,500									8	0.16	....	0.16	0	1	8	14	8	w.	Chas. Pratt.
Paradise Valley	Humboldt	4,500	4	57.6	......	90	1	21	14	56	8	0.24	....	0.22	0	2	24	3	3	sw.	R. M. Taylor.
Potts	Nye	6,002	24	58.5	+3.1	88	1	25	19	54	26	0.09	−0.21	0.05	T.	4	9	12	9	s.	Miss Irene Potts.
Tecoma	Elko	4,842	39	55.6	−3.6	97	3	27	25	53	41	0.48	+0.10	0.42	0	2	17	13	0	......	Southern Pacific Co.
Winnemucca	Humboldt	4,344	40	61.4	+0.9	91	1	29	25	49	48	T.	−0.34	T.	0	0	14	13	3	sw.	U. S. Weather Bureau.
Truckee Basin.																					
Franktown §	Washoe	5,054	2								2										Agent V. & T. Ry.
Marlette Lake**	do	7,900	2	51.6ᵃ	......	72ᵃ	†16	30ᵃ	†23	32ᵇ	4	0.01	....	0.01	0	1	25ᵃ	2ᵃ	2ᵃ	sw.	V. & G. H. Water Co.
Reno	do	4,532	30	62.6	+2.9	90	18	34	25	43	30	T.	−0.27	T.	0	0	25	4	1	w.	U. S. Weather Bureau.
Bijou, Cal.		6,230	2								8										Chas. Young.
McKinney, Cal.**		6,225									8	0.08	....	0.08	T	1	26	3	1	w.	Henry Soll.
Tahoe, Cal.		6,230	9	54.1	......	83	1	28	23	44	9	0.02	....	0.02	0	1	21	7	2	w.	Mrs. Emma C. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	23	63.4	+2.5	94	1	32	25	49	23	T.	−0.19	T.	0	0	27	2	1	nw.	U.S. Experiment Station.
Gardnerville	Douglas	4,830	26	58.4ⁿ	−2.3	85ⁿ	†4	29ⁿ	25	48ⁿ	27	0.00	−0.23	0.00	0	0	12ᵒ	2ᵒ	1ᵒ	w.	Forest Service.
Lahontan**	Churchill	4,200	5	67.4	......	98	1	38	25	37	7	0.00	....	0.00	0	0	24	2	4	w.	U.S. Reclamat'n Service.
Markleeville, Cal.		5,525									8	0.04	....	0.04	0	1	23	6	1	s.	Mrs. Mary Thornburg.
Woodfords, Cal.**		5,634									8										Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	10	65.9	−0.2	93	3	35	25	48	21	0.00	−0.31	0.00	0	0	28	2	0	......	Southern Pacific Co.
Smith	Lyon	4,800									9	T.	....	T.	0	0	16	12	2	sw.	C. M. Carter.
Thorne §	Mineral	4,200	4								4									......	Southern Pacific Co.
Yerington §	Lyon	4,375	8								8									......	S. L. Netherton.
Bridgeport, Cal.		6,500	4	52.1	......	85	1	15	25	50	6	0.00	....	0.00	0	0	16	14	0	sw.	Edward L. Brandon.
Shields Ranch, Cal.**		5,300									8	T.	....	T.	0	0	27	3	0	......	Bruce H. Chichester.
Colorado Basin.																					
Indian Springs §**	Clark	3,136	4								4										Ira McFarland.
Las Vegas	do	2,033	15	76.7	+4.5	104	†1	48	26	49	15	0.36	+0.03	0.35	0	2	16ᵈ	8ᵈ	2ᵇ	s.	C. P. Squires.
Logan §	do	1,355	10	77.4	+0.4	105	5	47	27	49	18	0.34	−0.11	0.24	0	2	20	7	3	......	Experiment Farm.
Mt. Charleston**	do	9,000									2										E. W. Griffith.
Pioche	Lincoln	6,100	19	61.3	+1.4	91	2	37	†24	39	19	1.51	+0.88	0.61	0	4	22	3	5	s.	L. H. Beason.
Minor Basins.																					
Duck Flat**	Washoe	4,725									3	0.06	....	0.04	0	2	29	0	1	sw.	C. T. Smith.
Francis (near)	do	5,350									3	0.00	....	0.00	0	0	30	0	0	w.	Geo. W. Barnard.
Gerlach	do	3,931	5	61.7	......	93	†1	30	4	57	5	0.00	....	0.00	0	0	22	0	8	sw.	Western Pacific Co.
Goldfield	Esmeralda	5,700	10	64.4	+1.0	90	5	34	23	40	12	0.04	−0.84	0.03	0	2	21	5	4	nw.	R. W. Robinson.
Jungo	Humboldt	4,165									4									......	Western Pacific Co.
Lida §	Esmeralda	6,037	5								5									......	L. F. Detwiler.
McDermitt	Humboldt	4,700	6	61.8	+0.8	91	20	33	23	45	30	0.30	−0.04	0.20	0	3	30	0	0	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	7	62.4	+6.9	90	1	32	25	45	7	0.35	−0.30	0.27	0	2	19	9	2	n.	R. E. Middagh.
Millett	Nye	5,040	9	58.4	......	87	1	26	25	54	10	T.	....	T.	0	0	18	3	9	s.	Fred J. Jones.
Oak Springs**	do	5,900									1										Mrs. R. E. Bower.
Oasis Ranch §**	Esmeralda	5,106	5	63.2	+3.9	89	1	38	†25	45	5	T.	−0.37	T.	0	0	18	5	7	......	Arthur L. Stewart.
Pahrump	Nye	2,608	4								4										F. M. Buol.
Quinn Riv. Ranch**	Humboldt	4,850	15	58.3ʰ	+1.3	93ʰ	†17	24ʰ	14	60ʰ	16	0.00	−0.34	0.00	0	0	14ʰ	4ʰ	4ʰ	s.	F. M. Payne.
Rebel Creek	do	4,300	5	63.2	......	90	1	35	†14	41	6	0.33	....	0.08	0	5	17	8	5	sw.	Fred Whitaker.
Sand Pass**	Washoe	4,198	4								4	T.	....	T.	0	0	24	2	4	w.	R. R. Mott.
Searchlight	Clark	3,445	4	77.0	......	98	4	51	23	30	4	0.07	....	0.05	0	2	19	9	2	s.	C. L. Aug. Mahn.
Sharp	Nye	6,200	4								4									......	F. A. Sears.
Sulphur	Humboldt	4,044	4	66.1	......	96	5	34	25	51	4	0.00	....	0.00	0	0	21	6	3	nw.	Western Pacific Co.
Tonopah	Nye	6,090	12	64.2	......	83	1	35	23	30	12	0.13	....	0.09	0	2	23	7	0	se.	U. S. Weather Bureau.
Vya	Washoe	5,500									4	0.27	....	0.15	0	2	26	2	2	sw.	L. A. Mariette.
For the State				62.1	+1.3	105	5	21	14	60	....	0.22	−0.14	0.68	T.	1	20	6	4	sw.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Mahoney Ranger Station, Jarbridge; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of McKinney, Hellman's, Lake Tahoe, Cal.; of Lahontan, Hazen; of Woodfords, Cal., Sheridan, Nev.; of Shields Ranch, Coleville, Cal.; of Indian Springs, Las Vegas; of Mt. Charleston, Las Vegas; of Duck Flat, Sunkist; of Oak Springs, Las Vegas; of Oasis Ranch, Oasis, Cal.; of Quinn River Ranch, Amos; of Sand Pass, Sheepshead.

Reference letters, ᵃ, ᵇ, ᶜ, appearing in the table indicate number of days missing, for example, ᵇ represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for September, 1917.

Stations.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Columbia Basin																																
Gold Creek (near)													.03										.07	.05					T	T		0.15
Mahoney Ranger Station ‖													.61									.65										1.26
Owyhee																																
San Jacinto						T							.10										.46							T		0.56
Humboldt Basin.																																
Arthur					.68								T.									.12								T		0.80
Austin				.03	.02																									T		0.05
Battle Mountain																																0.00
Beowawe																																0.00
Clover Valley					.19	.14							.10																			0.43
Elko	T.	T.	.20																													0.20
Eureka			.01		.24	.06				.18											.02		.02							.10		0.63
Golconda					.02																											0.02
Hylton			T.	.23	.26	.24							.05																			0.78
Imlay																																0.00
Lamoille ‖					T.	.13																T.		.10								0.23
Lovelock																																0.00
Metropolis ‖				T.		T.							T.								T.	T	.40							T.		0.40
North Fork					T.								.16																			0.16
Paradise Valley																					.22	.02										0.24
Potts														.05	.01	.01													.02			0.09
Tecoma					T.	.06																.42										0.48
Winnemucca***					T.																T	T.	T									T
Truckee Basin.																																
Franktown																																
Marlette Lake ‖																							.01									0.01
Reno ***																						T.								T		T
Bijou, Cal																																
McKinney, Cal																						.08										0.08
Tahoe, Cal. ‖																							.02									0.02
Carson Basin.																																
Fallon ‖																							T									T.
Gardnerville																																0.00
Lahontan																																0.00
Markleeville, Cal																	T.					.04										0.04
Woodfords, Cal																																...
Walker Basin.																																
Mina																																0.00
Smith																														T		T
Thorne																																....
Yerington																																
Bridgeport, Cal																																0.00
Shields Ranch, Cal																													T.			T
Colorado Basin.																																
Indian Springs ‖																																
Las Vegas			T.																		.35								T	.01		0.36
Logan																					.24									.10		0.34
Mt. Charleston																																....
Pioche			.10																	T	.60	.61								.20		1.51
Minor Basins.																																
Duck Flat													.04										.02									0.06
Francis (near)																																0.00
Gerlach																																0.00
Goldfield			T.		.01															.03												0.04
Jungo																																
Lida																																
McDermitt													.05									.05	.20									0.30
McGill																					.08	.27								T.		0.35
Millett																														T.		T.
Oak Springs																																....
Oasis Ranch																				T.												T
Pahrump																																....
Quinn River Ranch																																0.00
Rebel Creek																					.05	.07	.06	.07						.08		0.33
Sand Pass										T.																						T.
Searchlight		.05		.02																												0.07
Sharp																																
Sulphur																																0.00
Tonopah***			T.		.04																	.09							T.			0.13
Vya													.12										.15									0.27

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

Daily evaporation (inches) and wind movement (miles) for September, 1917.

(See temperature and precipitation data in climatological tables, pages 68 to 70.)

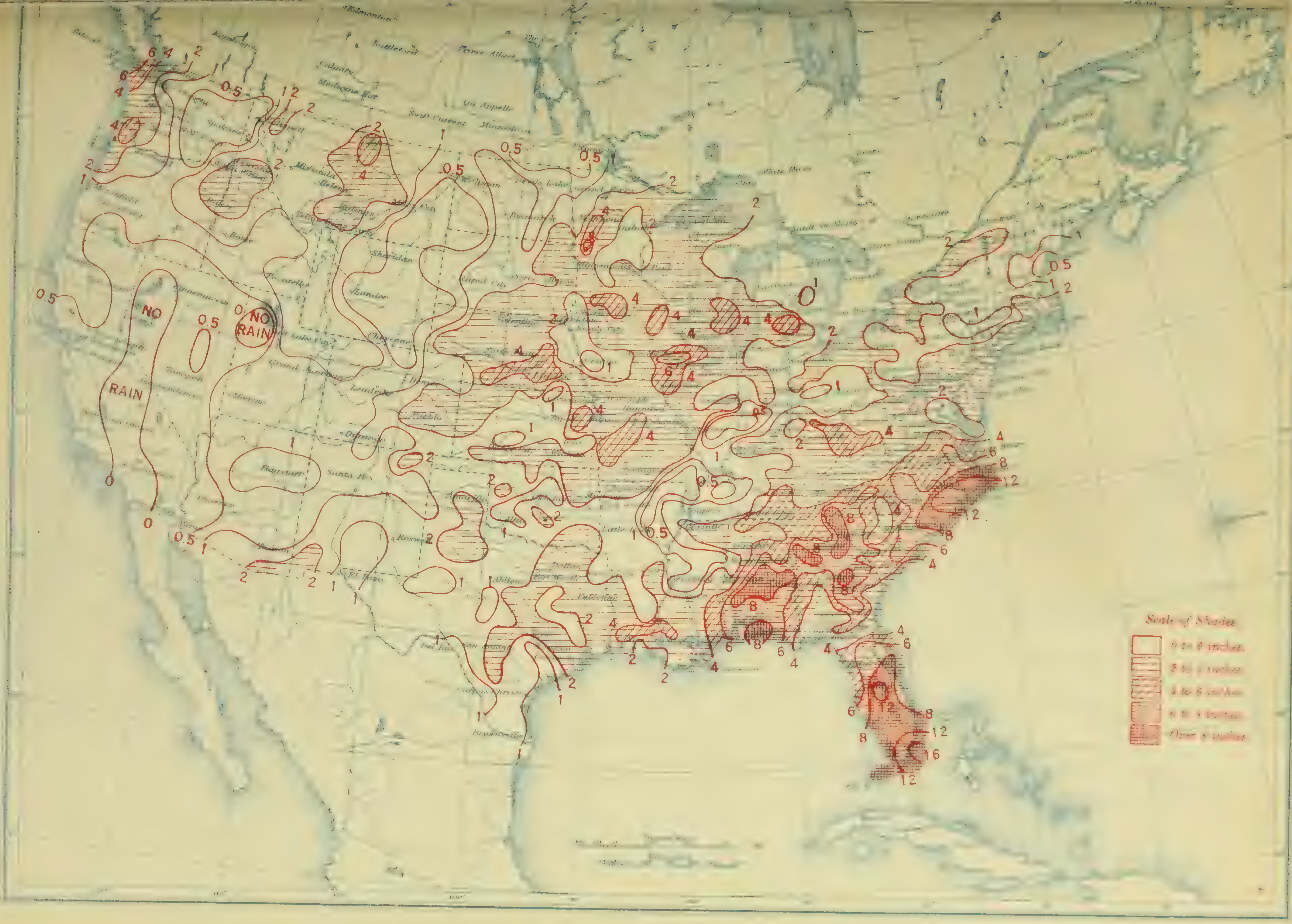
Stations.	Data.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Monthly.
ndian Springs*	Evaporation																																
	Wind movement																																
amoille*	Evaporation																																
	Wind movement																																
Marlette Lake*	Evaporation	.260	.296	.244	.248	.189	.236	.220	.219	.200	.210	.163	.172	.218	.224	.388	.339	.209	‡	.405	.244	.218	.184	.032	.066	.200	.262	.164	.191	.210	.131	....	6.342
	Wind movement	40	53	46	64	62	81	60	58	38	48	69	146	95	111	254	238	48	‡	87	60	56	61	60	54	78	243	53	65	57	50	....	2,144
ahoe, Cal.**	Evaporation	.190	.175	.225	.350	.310	.170	.220	.245	.235	.195	.195	.185	.225	.270	.275	.240	.215	.155	.180	.110	.125	.180	.195	.240	.170	.185	.170	.085	.085	.175	...	5.975
	Wind movement	59	78	86	86	83	99	92	47	59	48	62	63	33	129	49	44	63	72	107	86	107	49	68	77	78	83	91	58	86	46	..	2,188

* Observations taken at 7 a. m.; ** at 8 a. m. ‡ Included in next following entry.

Daily temperatures for September, 1917.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek (near)	Maximum	76	76	73	72	71	70	71	72	70	72	70	70	60	50	60	60	70	71	74	70	69	60	59	47	48	59	63	65	69	69	....	66.2
	Minimum	40	44	40	43	39	42	35	36	34	43	40	34	34	25	32	34	39	40	39	38	41	39	34	32	27	26	32	36	40	38	....	36.5
Owyhee	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
San Jacinto	Maximum	86	82	82	85	82	79	83	80	86	81	72	84	76	65	72	80	85	81	86	85	75	72	59	52	59	70	77	81	84	75	....	77.2
	Minimum	38	36	36	49	48	57	33	35	30	30	45	32	42	28	25	30	38	34	36	44	37	48	43	40	30	32	32	34	33	53	....	37.6
Humboldt Basin.																																	
Austin	Maximum	89	84	83	82	79	76	75	81	84	81	78	80	74	70	74	....	82	83	82	77	73	67	55	54	61	70	77	80	78	70	....	75.8
	Minimum	55	54	55	53	52	50	46	47	48	45	45	48	45	37	38	....	45	52	53	50	53	50	35	37	32	36	43	46	50	46	....	46.4
Battle Mountain	Maximum	97	97	97	96	90	90	97	85	89	90	....	....	76	78	77	79	91	92	93	92	91	92	90	90	91	93	92	90	90	91	....	89.9
	Minimum	49	50	50	51	54	40	37	38	40	41	53	52	54	55	37	40	43	42	40	39	37	37	38	40	41	38	37	34	34	....	....	42.8
Elko	Maximum	94	93	90	90	88	84	84	82	83	83	80	81	81	78	78	80	82	81	81	83	84	80	76	78	78	85	85	87	88	85	....	83.4
	Minimum	45	44	44	40	40	38	37	35	35	34	35	33	33	25	27	27	28	28	29	30	30	29	25	24	24	29	30	32	31	32	....	32.4
Eureka	Maximum	90	85	82	88	84	74	80	81	81	80	79	81	73	74	75	81	85	87	86	82	66	68	58	57	64	71	79	83	82	73	....	77.6
	Minimum	52	53	58	55	55	50	47	45	47	47	47	48	48	34	36	40	50	48	53	52	51	48	37	36	26	30	39	42	50	52	....	45.9
Imlay	Maximum	86	85	86	85	80	82	83	80	85	85	86	83	78	75	77	78	79	80	85	90	85	80	75	70	71	76	81	85	85	80	....	81.2
	Minimum	45	46	40	39	37	36	37	36	34	33	48	41	56	55	50	56	59	60	58	57	56	50	45	40	30	37	33	34	44	60	....	45.1
Lamoille	Maximum	86	78	85	82	82	72	80	78	80	78	75	77	79	74	72	76	80	82	82	82	68	70	75	70	68	66	75	69	85	75	....	76.7
	Minimum	58	58	55	55	54	50	43	49	39	46	46	42	40	35	37	38	50	55	48	49	56	42	39	34	38	33	37	39	39	51	....	45.2
Metropolis	Maximum	85	81	83	82	82	75	82	80	83	80	76	82	78	67	75	77	82	84	85	83	80	74	55	52	58	69	75	80	78	88	....	76.9
	Minimum	43	41	42	42	48	53	42	38	35	35	42	43	43	26	29	30	35	40	42	45	45	48	38	38	28	30	32	32	34	38	....	38.6
Paradise Valley	Maximum	90	87	83	85	82	76	80	82	83	81	76	83	76	77	78	84	83	86	87	88	78	64	65	68	70	71	78	83	87	75	....	79.5
	Minimum	42	41	42	43	43	37	33	33	34	32	44	33	38	21	33	34	34	36	37	41	53	33	26	37	26	28	29	33	35	37	....	35.6
Potts	Maximum	88	87	84	86	80	81	85	87	86	82	80	81	79	80	80	82	84	80	78	81	80	84	80	82	80	84	81	80	81	80	....	82.1
	Minimum	42	40	40	41	39	39	40	39	39	35	34	36	32	32	34	35	36	32	25	27	30	32	31	32	32	34	36	34	35	33	....	34.9
Tecoma	Maximum	96	94	97	84	83	80	72	70	68	69	70	67	65	63	78	79	80	77	78	74	70	68	72	70	67	72	76	80	77	74	....	75.7
	Minimum	43	41	45	42	41	39	37	38	41	38	36	34	31	28	32	33	37	34	31	30	33	31	28	30	27	33	34	39	40	38	....	35.5
Winnemucca	Maximum	91	90	90	85	86	79	82	81	84	85	80	85	69	72	78	84	88	90	90	87	83	66	60	63	69	75	80	85	88	78	....	80.8
	Minimum	46	47	50	47	49	45	39	38	36	38	50	40	42	32	44	46	40	41	44	46	53	40	33	38	29	35	34	38	41	59	....	42.0
Truckee Basin.																																	
Franktown	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Marlette Lake	Maximum	71	69	68	64	62	58	61	63	63	63	63	60	56	56	60	72	....	72	68	66	58	40	45	48	51	63	70	69	67	60	....	61.6
	Minimum	47	48	48	50	47	42	41	39	39	47	43	43	37	39	42	47	45	....	45	45	46	35	30	30	31	38	38	40	41	41	....	41.5
Reno	Maximum	88	86	85	82	81	77	81	81	79	80	82	80	75	76	79	87	89	90	86	86	72	59	63	66	71	76	84	87	85	77	....	79.7
	Minimum	50	50	52	50	50	48	41	42	44	48	47	48	50	41	41	45	49	51	49	46	50	44	36	38	34	39	41	45	45	51	....	45.5
Tahoe, Cal.	Maximum	83	79	77	75	74	70	72	73	75	72	74	72	67	69	75	78	79	78	79	78	65	54	54	60	66	69	70	72	71	70	....	71.7
	Minimum	39	39	42	44	44	37	31	31	33	37	33	40	38	35	37	38	40	40	38	37	41	38	28	31	29	33	34	35	36	38	....	36.5
Carson Basin.																																	
Fallon ⓦⓦ	Maximum	94	92	93	89	87	83	84	83	86	87	83	88	74	75	80	85	89	90	90	90	84	71	67	65	70	75	81	85	88	82	....	83.0
	Minimum	51	48	52	48	50	46	42	43	44	41	45	45	54	37	40	42	43	46	46	45	54	37	44	38	32	35	37	39	39	50	....	43.8
Gardnerville	Maximum	....	....	....	85	....	78	76	....	....	77	78	79	74	74	....	....	84	85	82	80	....	....	....	....	77	70	76	....	80	....	....	78.4
	Minimum	....	....	....	43	....	45	36	....	....	34	40	41	47	36	....	....	36	43	40	38	....	....	....	....	29	33	36	....	37	....	....	38.4
Lahontan	Maximum	98	89	90	90	85	83	81	82	85	85	82	86	75	76	79	85	90	88	90	89	84	64	60	68	72	75	82	85	86	82	....	82.2
	Minimum	62	61	61	61	55	52	51	51	53	56	52	54	54	57	52	55	57	56	56	52	59	46	42	43	38	42	45	48	52	56	....	52.6
Walker Basin.																																	
Mina	Maximum	90	92	93	92	90	86	86	85	89	89	86	90	87	89	88	90	92	91	91	90	87	71	74	75	73	77	72	76	74	85	....	85.0
	Minimum	59	57	60	58	48	50	50	51	41	43	51	45	53	49	47	52	45	47	48	49	53	48	36	37	35	36	38	39	38	42	....	46.8
Yerington	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Bridgeport, Cal.	Maximum	85	79	79	79	75	73	72	70	72	75	70	71	68	70	75	79	78	78	78	77	68	58	68	60	63	70	75	70	73	68	....	72.5
	Minimum	36	34	36	37	38	47	35	28	30	28	30	42	35	28	28	30	29	30	31	30	45	41	21	23	19	23	25	21	30	40	....	31.7
Colorado Basin.																																	
Indian Springs	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Las Vegas	Maximum	104	103	104	104	102	100	98	100	100	84	93	100	95	95	98	99	99	98	99	98	83	91	90	86	86	94	98	98	85	97	....	96.0
	Minimum	60	62	64	70	70	69	69	65	65	61	54	59	59	56	54	53	51	51	50	51	55	55	53	52	51	48	55	55	56	49	....	57.4
Logan	Maximum	102	104	104	104	105	103	98	99	100	101	88	94	100	97	98	98	99	101	99	95	85	91	82	86	87	86	93	98	96	94	....	96.2
	Minimum	60	62	65	66	65	71	68	61	56	52	65	57	58	55	62	62	53	56	54	56	66	61	50	48	53	56	47	50	58	61	....	58.5
Pioche	Maximum	88	91	90	85	83	85	81	75	76	78	79	80	80	80	72	76	80	81	82	83	82	63	62	61	62	64	66	76	75	70	....	76.9
	Minimum	50	54	56	51	54	54	47	45	46	46	46	46	46	41	48	42	45	46	47	48	45	41	41	37	39	38	37	40	48	47	....	45.7
Minor Basins.																																	
Gerlach	Maximum	93	92	91	87	85	83	81	82	83	82	81	83	80	74	79	87	91	93	90	88	83	75	61	73	71	84	80	85	89	86	....	83.1
	Minimum	47	44	42	30	32	31	37	38	40	41	47	49	51	32	37	45	43	42	45	38	43	40	38	36	32	44	42	37	41	44	....	40.3
Goldfield	Maximum	89	87	89	88	90	85	80	83	83	84	82	81	79	77	79	79	88	87	85	83	75	73	63	65	69	74	81	84	81	76	....	80.6
	Minimum	54	52	57	51	59	52	49	47	47	46	49	53	49	43	45	47	48	50	50	55	53	51	34	42	37	39	41	44	48	48	....	48.1
McDermitt	Maximum	89	88	88	87	85	77	80	79	83	84	77	84	75	72	83	86	88	88	90	91	81	67	51	60	66	73	80	83	86	75	....	79.9
	Minimum	52	48	50	44	48	37	42	42	43	44	43	50	48	35	40	43	50	48	47	46	50	36	33	35	34	37	41	47	60	40	....	43.8
McGill	Maximum	90	86	86	85	79	80	83	82	84	85	83	81	79	74	78	82	86	87	87	80	70	70	68	62	66	72	80	84	83	73	....	79.5
	Minimum	61	59	58	57	51	51	48	48	41	41	41	40	40	36	36	42	43	46	52	54	49	40	41	43	32	35	35	42	44	52	....	45.3
Millett	Maximum	87	85	86	85	81	81	81	82	81	83	81	81	71	73	77	82	84	84	84	83	75	71	60	62	65	72	78	80	84	75	....	78.5
	Minimum	42	44	48	45	45	48	39	35	33	29	40	33	50	40	35	33	35	35	37	37	51	53	35	35	26	30	30	30	33	40	....	38.4
Oasis Ranch	Maximum	89	87	88	86	88	85	80	81	80	85	81	83	85	79	82	81	85	84	85	83	78	74	71	63	69	72	77	78	79	72	....	80.3
	Minimum	50	55	58	49	53	52	46	40	42	40	43	47	49	43	42	44	48	50	46	50	49	48	49	50	38	40	38	39	43	39	....	46.0
Rebel Creek	Maximum	90	88	87	88	85	77	80	79	84	85	78	86	80	70	77	83	85	88	88	86	80	74	53	63	65	75	81	86	86	80	....	80.2
	Minimum	53	50	50	55	53	48	42	43	43	45	47	48	48	35	43	48	48	50	48	50	56	44	35	39	35	41	41	46	47	56	....	46.2
Sand Pass	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Searchlight	Maximum	96	95	96	98	95	91	92	94	95	81	89	93	88	87	86	89	92	94	90	90	79	84	76	79	78	80	85	89	89	90	....	88.7
	Minimum	68	70	70	75	74	69	65	65	67	70	59	68	64	69	64	68	65	68	67	62	61	59	51	54	60	58	65	65	71	65	....	65.2
Sharp	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Sulphur	Maximum	90	94	93	93	96	94	93	93	85	84	86	84	83	81	83	85	84	92	90	90	89	87	88	89	80	78	78	86	85	86	....	87.3
	Minimum	48	47	47	46	45	43	42	45	44	44	43	43	41	40	42	45	41	46	51	50	56	55	55	56	34	36	38	41	41	42	....	44.9
Tonopah	Maximum	83	82	82	82	81	77	76	76	78	79	78	77	70	71	74	78	82	82	80	79	70	66	55	59	64	67	75	77	75	70	....	74.8
	Minimum	63	60	61	63	61	56	55	54	57	55	55	58	53	49	50	56	57	62	60	57	50	36	35	39	39	46	54	58	58	54	....	53.7

ⓦⓦ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades
0 to 2 inches
2 to 4 inches
4 to 6 inches
6 to 8 inches
Over 8 inches
NO RAIN
NO RAIN
Edmonton
Battleford
Prince Albert
Calgary
Medicine Hat
Qu Appelle
Swift Current
Minnedosa
Spokane
Missoula
Helena
Billings
Sheridan
Lander
Cheyenne
Salt Lake City
Grand Junction
Leadville
Pueblo
Durango
Flagstaff
Santa Fe
Amarillo
Roswell
El Paso
Abilene
Palestine
Corpus Christi
Brownsville
Little Rock
Williston
Bismarck
Duluth
Minneapolis
St. Paul
Valentine
White River
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Pocatello
Boise
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U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

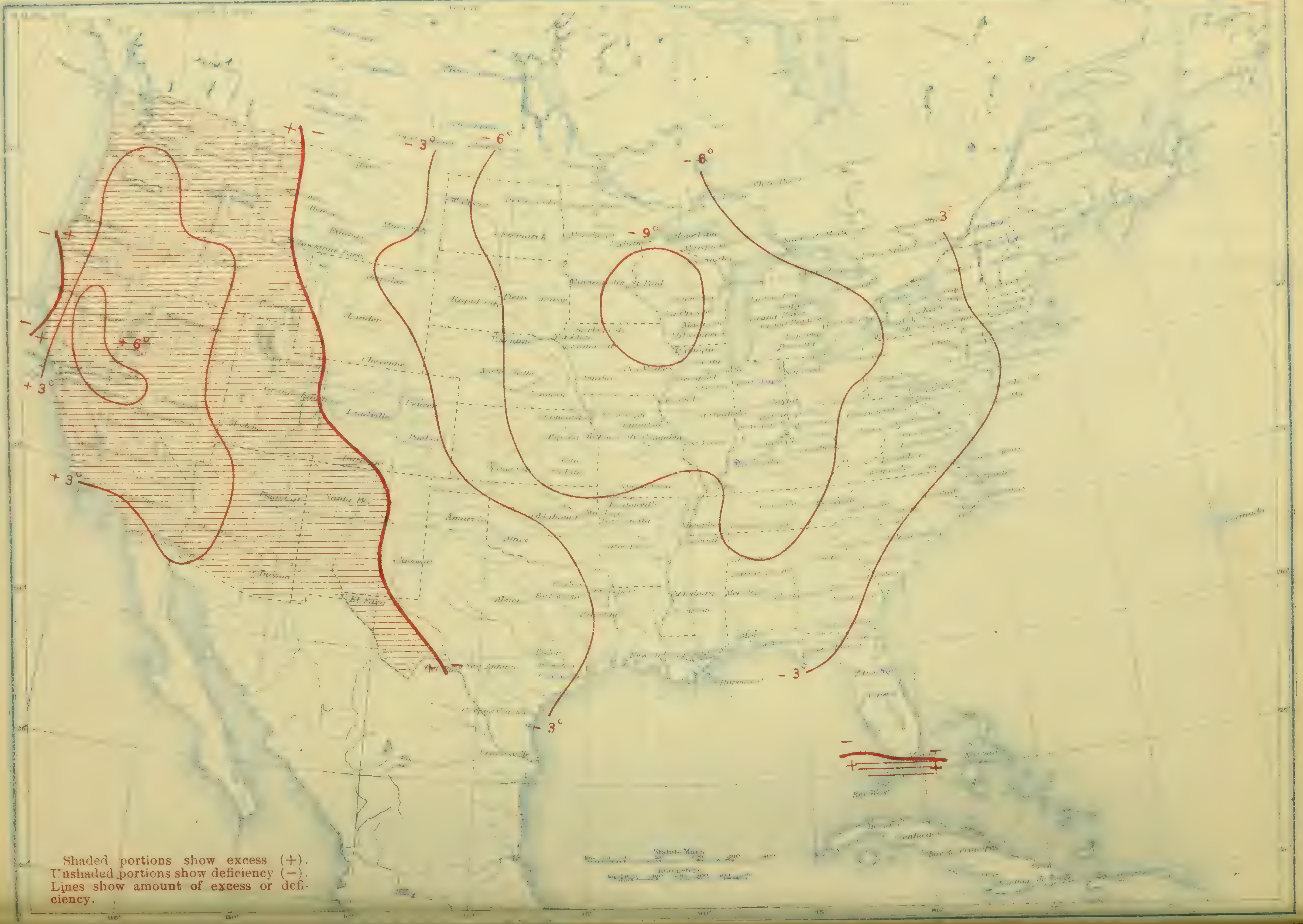
NEVADA SECTION

OCTOBER, 1917

BY
HENRY F. ALPS
METEOROLOGIST

RENO, NEV.
WEATHER BUREAU OFFICE
NOVEMBER 20, 1917.

Departure of the Mean Temperature from the Normal, October, 1917.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALPS, Meteorologist.

Vol. XXXII. Reno, Nevada, October, 1917. No. 10.

GENERAL SUMMARY.

The month was characterized by high temperatures, extreme dryness, high atmospheric pressure, a high percentage of sunshine, and a low wind movement. There has only been one October in the past 29 years with a higher State average temperature, and that was in 1907. It was the driest October on record, and there has been only one other October which had no snowfall. There were only three stations in the State which reported a measurable amount of precipitation. Six stations reported a trace of rain, and thirty-nine stations reported none.

A cold period occurred from the 17th to the 19th, when killing frosts were general in all sections of the State, except the extreme south portion. Another cold period occurred from the 28th to the 30th, and the lowest monthly temperatures were recorded at most of the stations during that time. Practically no damage resulted from the freezing weather, as the tender vegetation had been mostly harvested by the middle of the month and the freezes were not severe enough to damage potatoes and other root crops which had not been dug.

The weather was favorable for ranch work, except that it was too dry in some sections for plowing and seeding. Thrashing, potato and sugar-beet digging, and apple picking were practically completed. Ranges were dry, but stock was gathered for winter feeding in normal condition.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 38 stations, was 53.5°. The mean for the 25 stations having ten or more years' record was 3.4° above normal. The highest recorded was 101°, at Logandale on the 4th; the lowest was —1°, at Tecoma on the 29th. The greatest daily range was 61°, at Quinn River Ranch on the 10th. The highest monthly mean was 70.6°, at Searchlight; the lowest was 41.9°, at Gold Creek.

PRECIPITATION.

The average for 48 stations reporting was a trace. For the 29 stations having ten or more years' record, the mean was 0.57 inch below the normal. The average amount at 3 stations in the Columbia Basin was 0.01 inch; at 18 stations in the Humboldt Basin, a trace; at 4 stations in the Truckee Basin, 0.05 inch; at 4 stations in the Carson Basin, 0.03 inch; at 5 stations in the Walker Basin, none; at 3 stations in the Colorado Basin, a trace; at 15 stations in the minor basins, 0.01 inch. The greatest monthly fall was 0.07 inch, at Goldfield; there was none at 39 stations. The average number of days with precipitation was 0.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric pressure (sea level).			Mean relative humidity.		Wind.			
	Mean.	Highest.	Lowest.	5 a. m.	5 p. m.	Average hourly velocity.	Max. velocity.		
							Miles per hour.	Direc.	Date.
Reno	30.11	30.52	29.75	54	19	4.4	21	sw.	23
Winnemucca	30.18	30.60	29.76	54	20	4.9	19	w.	27
Tonopah	30.08	30.50	29.77	33	20	6.3	34	nw.	24

SUNSHINE AND CLOUDINESS.

At Reno, 91 per cent of the possible sunshine was recorded; at Winnemucca, 96 per cent; at Tonopah, 97 per cent. For the State, the average number of clear days was 27; partly cloudy, 3; cloudy, 1.

MISCELLANEOUS PHENOMENA.

(Dates of.)

Brisk winds.—5, 17, 24, 27, 28.

Lunar halos.—4, 5.

COMPARATIVE DATA FOR OCTOBER.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	52.2	103	14	1.48	0.8	6	10	9	12	w.
1890	50.5	92	8	0.25	1.1	2	21	6	4	nw.
1891	51.2	88	0	0.04	0.3	0	22	5	4	s.
1892	47.5	91	2	0.32	0.2	3	15	7	9	sw.
1893	48.9	94	8	0.12	T.	1	19	6	6	sw.
1894	51.7	94	5	0.33	0.0	2	22	4	5	sw.
1895	49.9	100	−5	0.26	T.	2	21	6	4	w.
1896	50.3	94	11	0.24	0.5	1	20	6	5	w.
1897	47.1	95	9	1.71	2.5	6	15	7	9	w.
1898	45.9	86	7	0.23	0.6	2	19	5	7	w.
1899	46.3	89	4	0.72	3.9	3	15	6	10	w.
1900	47.7	82	4	0.80	0.9	3	15	7	9	sw.
1901	50.7	90	17	1.11	0.8	5	16	6	9	sw.
1902	49.8	97	13	0.26	0.7	1	20	5	6	s.
1903	51.0	90	11	0.29	T.	1	23	4	4	sw.
1904	47.8	91	6	1.20	0.1	4	17	6	8	n.
1905	45.8	96	0	0.05	0.6	0	24	4	3	n.
1906	49.9	100	1	0.10	T.	0	21	6	4	w.
1907	54.2	96	13	0.98	0.1	4	16	8	7	s.
1908	46.6	95	1	0.49	1.4	2	18	6	7	w.
1909	50.4	89	7	0.61	0.2	3	18	7	6	w.
1910	51.0	101	7	0.42	T.	3	20	5	6	w.
1911	47.7	90	6	0.36	0.1	2	21	5	5	w.
1912	45.8	88	0	1.34	4.0	5	17	6	8	w.
1913	49.8	91	5	0.28	T.	1	21	6	4	w.
1914	51.5	96	14	0.61	0.2	3	17	7	7	w.
1915	53.3	99	13	0.01	T.	0	26	3	2	sw.
1916	46.3	88	8	1.68	3.0	6	19	5	7	w.
1917	53.5	101	− 1	T.	0.0	0	27	3	1	sw.
Entire period	49.4	103	−5	0.56	0.8	2	19	6	6	w.

Climatological data for October, 1917.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days.				Prevailing direction of the wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	4	41.9^{c}	...	70^{c}	†2	6^{c}	17	41^{c}	4	0.00	...	0.00	0	0	24^{c}	4^{c}	0^{c}	n.	U. S. Forest Service.
Mahoney Ran. Sta.**	do	6,200	2	...							2	0.00	...	0.00	0	0	28	0	3	...	Do.
Owyhee	do	5,400	6	...							6	...								...	E. A. Schwab.
San Jacinto	do	5,200	12	42.3	−1.3	71	2	12	30	49	12	0.03	−0.66	0.03	0	1	26	3	2	n.	Utah Construction Co.
Humboldt Basin.																					
Arthur	Elko	6,500	...	...							7	0.00	−1.22	0.00	0	0	28	3	0	...	Isaac Woodhouse.
Austin	Lander	6,594	28	54.2^{b}	+5.6	82^{b}	5	26^{b}	†16	47^{b}	28	0.00	−0.66	0.00	0	0	25^{d}	2^{d}	0^{d}	...	Forest Service.
Battle Mountain	do	4,513	46	52.2	+2.5	91	6	14^{a}	21	61^{a}	48	0.00	−0.46	0.00	0	0	25	6	0	...	Southern Pacific Co.
Beowawe	Eureka	4,695	46	50.4	+0.9	88	4	7	29	60	48	0.00	−0.49	0.00	0	0	29	2	0	...	Do.
Clover Valley**	Elko	6,000	16	49.8^{a}	+2.7	81	†4	10^{b}	†18	48^{b}	24	0.00	−0.80	0.00	0	0	30	1	0	...	J. D. Weeks.
Elko	do	5,063	46	53.8	+8.8	89	8	8	29	55	47	0.00	−0.85	0.00	0	0	25	4	2	sw.	Western Pacific Co.
Eureka	Eureka	6,837	19	53.4	+4.3	86	†4	12	18	47	21	0.00	−0.84	0.00	0	0	28	3	0	n.	Clay Simms.
Golconda	Humboldt	4,392	38	50.4	+0.9	84	5	13	17	47	40	0.00	−0.47	0.00	0	0	19	12	0	...	Southern Pacific Co.
Hylton**	Elko	7,081	...	...							7	0.00	...	0.00	0	0	31	0	0	...	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	4	54.6	+4.0	89	12	16	30	54	4	0.00	−0.36	0.00	0	0	21	10	0	...	Southern Pacific Co.
Lamoille	Elko	6,100	2	52.0	...	85	4	11	29	44	2	0.00	−1.29	0.00	0	0	29	0	2	se.	Elko-Lamoille Power Co.
Lovelock	Humboldt	3,977	23	50.3	−1.5	84	†4	12	29	48	21	0.00	−0.24	0.00	0	0	31	0	0	n.	John R. Montgomery.
Metropolis §	Elko	5,661	4	49.4^{d}	...	82^{d}	†3	8^{c}	29	51^{d}	8	0.00	−0.63	0.00	0	0	26	5	0	...	L. F. Hatch.
North Fork	do	6,500	...	...							8	0.00	...	0.00	0	0	23	6	2	s.	Roy C. Pratt.
Paradise Valley	Humboldt	4,500	4	48.4	...	84	†5	6	†18	58	8	0.00	...	0.00	0	0	27	2	2	sw.	R. M. Taylor.
Potts	Nye	6,002	24	40.8	−3.4	68	†10	6	18	53	26	0.00	−0.33	0.00	0	0	19	8	4	n.	Miss Irene Potts.
Tecoma	Elko	4,812	39	48.5	+2.5	82	†3	−1	29	57	41	0.00	−0.44	0.00	0	0	22	9	0	...	Southern Pacific Co.
Winnemucca	Humboldt	4,344	40	51.7	+3.1	86	9	15	29	53	48	T.	−0.52	T.	0	0	25	6	0	ne.	U. S. WeatherBureau.
Truckee Basin.																					
Franktown §	Washoe	5,054	2	...							2	...								...	Agent V. & T. Ry.
Marlette Lake**	do	7,900	2	48.0^{b}	...	72^{b}	4	25^{b}	18	32^{c}	4	0.00	...	0.00	0	0	27^{b}	2^{b}	0^{b}	e.	V. & G. H. Water Co.
Reno	do	4,532	30	56.0	+6.3	87	4	23	29	46	30	T.	−0.41	T.	0	0	27	4	0	w.	U. S. Weather Bureau.
Bijou, Cal.		6,230	2	...							8	...								...	Chas. Young.
McKinney, Cal.**		6,225	...	...							8	0.06	...	0.06	0	1	29	2	0	w.	Henry Soll.
Tahoe, Cal.		6,230	9	48.6	...	76	3	23	†29	42	9	0.13	...	0.13	0	1	26	4	1	w.	Mrs. Emma C. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	23	53.6	+2.9	89	5	15	29	50	23	T.	−0.41	T.	0	0	31	0	0	nw.	U.S. Experiment Station.
Gardnerville	Douglas	4,830	26	51.4^{k}	+0.7	87^{k}	24	14^{k}	19	60^{k}	27	0.00	−0.46	0.00	0	0	16^{l}	2^{l}	1^{l}	w.	Forest Service.
Lahontan**	Churchill	4,200	5	59.1	...	88	5	24	29	42	7	0.00	...	0.00	0	0	30	1	0	w.	U.S. Reclamat'n Service.
Markleeville, Cal.		5,525	...	...							8	0.13	...	0.13	0	1	29	2	0	n.	Mrs. Mary Thornburg.
Woodfords, Cal.**		5,634	...	...							8	...								...	Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	10	59.6	+6.6	85	14	32	11	49	21	0.00	−0.28	0.00	0	0	21	0	10	...	Southern Pacific Co.
Smith	Lyon	4,800	...	...							9	0.00	...	0.00	0	0	28	3	0	sw.	C. M. Carter.
Thorne §	Mineral	4,200	4	...							4	...								...	Southern Pacific Co.
Yerington §	Lyon	4,375	8	...							8	0.00	−0.20	0.00	0	0	27^{b}	0^{b}	2^{b}	sw.	S. L. Netherton.
Bridgeport, Cal.		6,500	4	44.5	...	78	4	5	18	54	6	0.00	...	0.00	0	0	21	4	6	sw.	Robert Crawford.
Shields Ranch, Cal.**		5,300	...	...							8	0.00	...	0.00	0	0	31	0	0	...	Bruce H. Chichester.
Colorado Basin.																					
Indian Springs §**	Clark	3,136	4	60.6^{h}	...	91^{h}	†9	29^{i}	†19	49^{h}	4	0.00	...	0.00	0	0	...	...	...	sw.	Ira MacFarland.
Las Vegas	do	2,033	15	68.8	+8.2	100	†5	32	29	51	15	0.00	−0.25	0.00	0	0	30	1	0	s.	C. P. Squires.
Logandale §	do	1,355	10	69.0^{a}	+3.5	101^{a}	4	34^{a}	30	49^{a}	18	0.00	−0.68	0.00	0	0	31	0	0	...	Experiment Farm.
Mt. Charleston**	do	9,000	...	...							2	...								...	E. W. Griffith.
Pioche	Lincoln	6,100	19	52.8	+2.7	81	8	23	29	37	19	T.	−0.48	T.	0	0	30	0	1	s.	L. H. Beason.
Minor Basins.																					
Duck Flat**	Washoe	4,725	...	...							3	0.00	...	0.00	0	0	31	0	0	w.	C. T. Smith.
Francis (near)	do	5,350	...	...							3	T.	...	T.	0	0	31	0	0	e.	Geo. W. Barnard.
Gerlach	do	3,931	5	53.7	...	87	5	19	†18	54	5	0.00	...	0.00	0	0	27	0	4	n.	Western Pacific Co.
Goldfield	Esmeralda	5,700	10	57.0	+5.9	87	5	20	18	41	12	0.07	−0.77	0.07	0	1	28	3	0	nw.	R. W. Robinson.
Jungo	Humboldt	4,165	...	...							4	...								...	Western Pacific Co.
McDermitt	do	4,700	6	53.4	+4.6	86	†4	13	28	50	30	0.00	−0.90	0.00	0	0	...	...	...	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	7	54.0	+9.6	84	†4	16	29	47	7	0.00	−0.72	0.00	0	0	31	0	0	s.	R. E. Middagh.
Millett	Nye	5,040	9	49.8	...	85	5	9	29	55	10	0.00	...	0.00	0	0	30	1	0	...	Fred J. Jones.
Oak Springs**	do	5,900	...	...							1	...								...	Mrs. R. E. Bower.
Oasis Ranch §**	Esmeralda	5,106	5	52.8	+4.0	81	5	18	19	48	5	0.00	−0.31	0.00	0	0	28	3	0	...	Arthur L. Stewart.
Pahrump	Nye	2,608	4	...							4	...								...	F. M. Buol.
Quinn Riv. Ranch**	Humboldt	4,850	15	49.2^{h}	+2.0	90^{h}	†3	5^{h}	†18	65^{h}	16	0.00	−0.49	0.00	0	0	27^{b}	2^{b}	0^{b}	w.	F. M. Payne.
Rebel Creek	do	4,300	5	55.0	...	87	5	18	29	50	6	0.00	...	0.00	0	0	22	9	0	sw.	Fred Whitaker.
Sand Pass**	Washoe	4,198	4	...							4	0.00	...	0.00	0	0	27^{b}	1^{c}	0^{c}	se.	R. R. Mott.
Searchlight	Clark	3,445	4	70.6	...	95	5	39	29	29	4	0.00	...	0.00	0	0	26	5	0	n.	C. L. Aug. Mahn.
Sharp	Nye	6,200	4	...							4	...								...	F. A. Sears.
Sulphur	Humboldt	4,044	4	57.0	...	98	4	21	28	54	4	0.00	...	0.00	0	0	26	5	0	...	Western Pacific Co.
Tonopah	Nye	6,090	12	57.8	...	81	5	26	29	30	12	T.	...	T.	0	0	27	4	0	w.	U. S. Weather Bureau.
Vya	Washoe	5,500	...	...							4	0.02	...	0.02	0	1	29	1	1	w.	L. A. Mariette.
For the State				53.5	+3.4	101	4	−1	29	61	...	T.	−0.57	0.07	0	0	27	3	1	sw.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Mahoney Ranger Station, Jarbridge; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of McKinney, Hellman's, Lake Tahoe, Cal.; of Lahontan, Hazen; of Woodfords, Cal., Sheridan, Nev.; of Shields Ranch, Coleville, Cal.; of Mt. Charleston, Las Vegas; of Duck Flat, Sunkist; of Oak Springs, Las Vegas; of Oasis Ranch, Oasis, Cal.; of Quinn River Ranch, Amos; of Sand Pass, Sheepshead.

Reference letters, ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing, for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for October, 1917.

Stations.	Day of month.																														Total.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia Basin.																																
Gold Creek (near)																																0.00
Mahoney Ranger Station ‖‖																																0.00
Owyhee																																
San Jacinto	.03																															0.03
Humboldt Basin.																																
Arthur																																0.00
Austin																																0.00
Battle Mountain																																0.00
Beowawe																																0.00
Clover Valley																																0.00
Elko																																0.00
Eureka																																0.00
Golconda																																0.00
Hylton																																0.00
Imlay																																0.00
Lamoille ‖‖																																0.00
Lovelock																																0.00
Metropolis ‖‖																																0.00
North Fork																																0.00
Paradise Valley																																0.00
Potts																																0.00
Tecoma																																0.00
Winnemucca***	T.																															T
Truckee Basin.																																
Franktown																																
Marlette Lake ‖‖																																0.00
Reno ***						T.																										T.
Bijou, Cal																																
McKinney, Cal						.06																										0.06
Tahoe, Cal. ‖‖						.13																										0.13
Carson Basin.																																
Fallon ‖‖						T.																										T.
Gardnerville																																0.00
Lahontan																																0.00
Markleeville, Cal	.13																															0.13
Woodfords, Cal																																
Walker Basin.																																
Mina																																0.00
Smith																																0.00
Thorne																																
Yerington																																0.00
Bridgeport, Cal																																0.00
Shields Ranch, Cal																																0.00
Colorado Basin.																																
Indian Springs ‖‖																																0.00
Las Vegas																																0.00
Logandale																																0.00
Mt. Charleston																																
Pioche															T																	T.
Minor Basins.																																
Duck Flat																																0.00
Francis (near)					T.																											T
Gerlach																																0.00
Goldfield															.07	T.																0.07
Jungo																																
McDermitt																																0.00
McGill																																0.00
Millett																																0.00
Oak Springs																																
Oasis Ranch																																0.00
Pahrump																																
Quinn River Ranch																																0.00
Rebel Creek																																0.00
Sand Pass																																0.00
Searchlight																																0.00
Sharp																																
Sulphur																																0.00
Tonopah***	T.																															T.
Vya ‖‖						.02																										0.02

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

Daily evaporation (inches) and wind movement (miles) for October, 1917.

(See temperature and precipitation data in climatological tables, pages 76 to 78.)

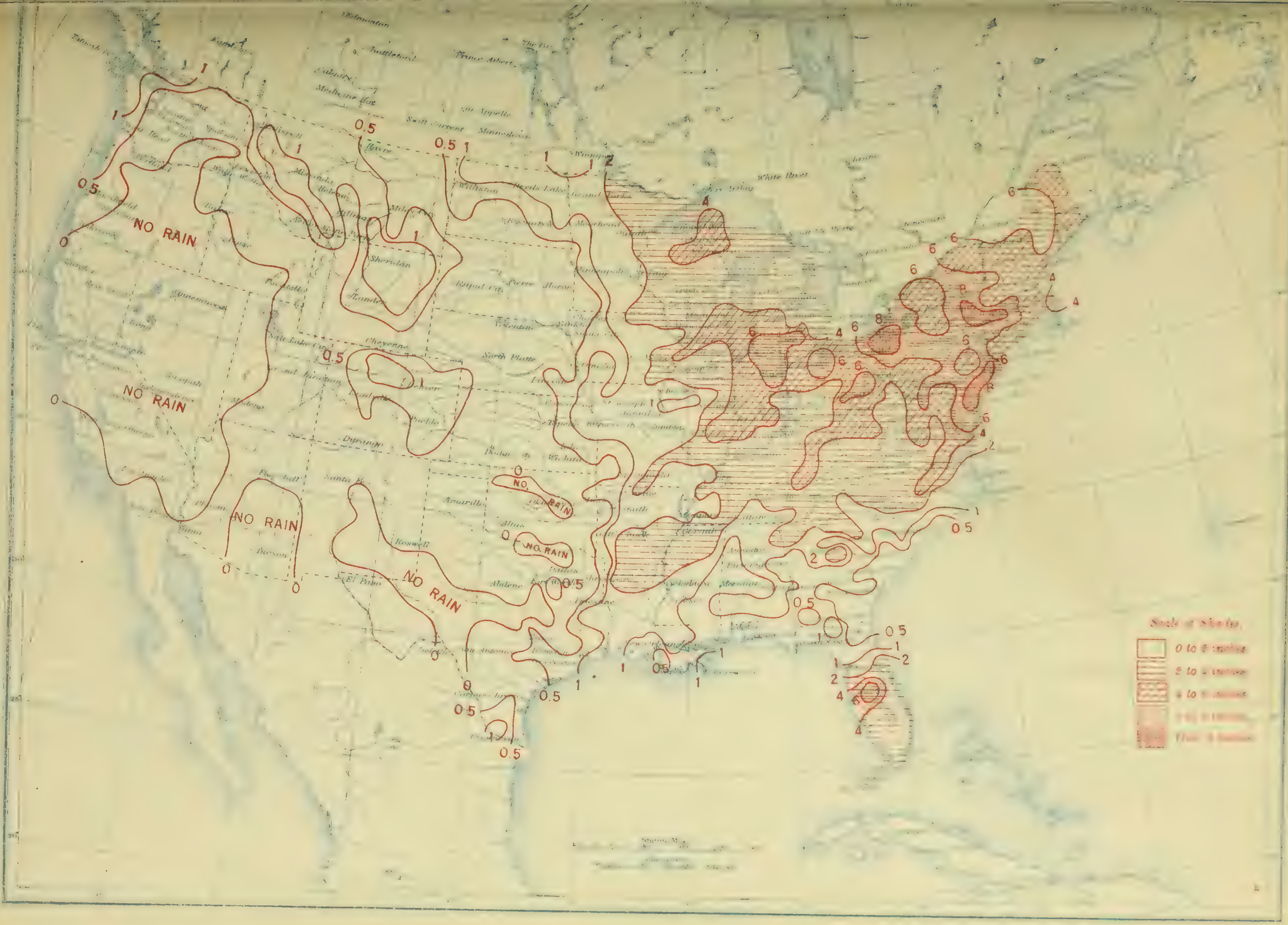
Stations.	Data.	Day of month.																														Monthly.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Indian Springs*	Evaporation										.294	.283	.222	.228	.195	.232	.252	.201	.246	.149	.136	.162	.187	.164	.167	.224	.210	.328	.194	.163	.133	.189	
	Wind movement										16	30	20	24	22	21	43	52	57	33	18	30	34	3	15	46	39	47	43	42	20	18	673
Lamoille*	Evaporation																																
	Wind movement																																
Marlette Lake.*	Evaporation	.089	‡	‡	.837	.108	.174	.347	.288	.206	.176	.158	.164	.150	.235	.129	.091	.104	‡	‡	.477	.120	.096	.109	.106	.138	.125	.102	.061	.115	.084	.018	4.807
	Wind movement	29	‡	‡	421	32	74	222	128	59	43	39	53	56	119	39	34	61	382	76	173	68	36	36	53	141	98	86	41	94	40	54	2,787
Tahoe, Cal.**	Evaporation	.115	.145	.195	.120	.155	.200	.165	.175	.135	.165	.105	.080	.040	.180	.175	.175	.065	.155	.170	.120	.115	.135	.150	.120	.085	.135	.110	.120	.135	.130	.120	4.190
	Wind movement	69	59	64	72	69	58	48	56	42	65	68	76	55	68	97	74	84	114	93	41	53	41	66	33	72	46	51	27	42	107	84	1,994

* Observations taken at 7 a. m.; ** at 8 a. m. ‡ Included in next following entry.

Daily temperatures for October, 1917.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek (near)	Maximum	69	70	....	....	....	70	70	70	70	69	67	60	55	60	64	47	43	52	48	55	59	60	62	60	46	40	49	42	48	49	48	57.2
	Minimum	34	37	....	....	....	33	34	29	33	35	32	30	27	26	34	18	6	26	26	22	27	27	29	28	26	30	21	10	20	21	23	26.6
Owyhee	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
San Jacinto	Maximum	65	71	61	70	69	65	68	60	61	60	60	58	58	62	62	65	48	55	44	67	64	70	67	66	59	53	63	54	50	44	47	60.2
	Minimum	41	32	30	26	30	30	23	22	25	28	30	35	24	22	25	24	26	6	15	18	16	22	26	24	31	39	18	22	20	12	13	24.4
Humboldt Basin.																																	
Austin	Maximum	76	76	79	80	82	75	77	80	80	....	78	75	71	74	73	66	78	55	65	70	73	74	70	63	60	60	....	60	59	63	68	71.0
	Minimum	42	44	46	45	53	45	42	44	46	....	48	45	42	40	42	40	52	18	27	27	30	28	40	35	29	33	....	20	12	32	34	37.3
Battle Mountain	Maximum	85	84	87	89	90	91	90	90	90	89	90	82	77	81	82	75	70	69	69	70	68	78	73	70	69	69	72	71	68	72	72	78.5
	Minimum	30	29	40	39	30	30	29	30	30	29	30	32	31	30	30	32	15	15	15	16	14	24	27	17	16	15	19	20	16	48	....	25.9
Elko	Maximum	86	86	88	87	87	87	88	89	88	84	84	82	80	82	83	80	77	75	77	76	75	72	70	70	68	72	69	66	60	68	70	78.3
	Minimum	35	35	37	38	40	39	41	40	40	37	35	35	32	35	33	30	28	26	28	26	25	26	23	24	24	23	20	16	8	16	15	29.4
Eureka	Maximum	77	77	83	86	86	80	78	82	83	82	80	77	75	77	76	74	55	55	66	69	75	76	74	66	63	60	67	49	62	65	70	72.4
	Minimum	42	40	41	43	49	43	40	40	42	41	39	46	47	38	40	38	22	12	22	30	34	34	36	30	25	35	30	18	15	28	30	34.5
Imlay	Maximum	78	81	85	83	80	81	82	84	84	83	82	89	85	87	85	80	70	72	75	72	75	76	75	74	68	64	67	65	67	67	66	76.8
	Minimum	47	37	54	55	38	39	40	41	35	31	39	35	36	34	37	36	30	26	24	23	24	27	30	31	30	31	25	20	18	16	20	32.5
Lamoille	Maximum	75	75	75	85	81	75	75	79	79	81	74	73	68	72	73	66	43	56	62	64	72	71	72	58	60	58	62	42	53	59	66	67.9
	Minimum	49	48	46	45	41	49	41	39	44	49	44	45	40	40	42	42	18	15	18	33	42	41	39	37	31	33	34	16	11	18	32	36.2
Metropolis	Maximum	75	77	82	81	82	79	78	80	82	79	75	75	75	73	73	71	70	60	61	....	70	71	68	59	59	....	....	....	51	61	65	71.6
	Minimum	37	33	35	38	37	42	28	30	35	32	31	29	29	27	26	22	19	9	16	20	30	31	27	28	28	....	....	....	8	15	17	27.1
Paradise Valley	Maximum	79	80	83	81	84	81	78	83	84	83	79	76	73	74	74	75	55	56	64	64	71	73	71	65	67	63	65	55	52	60	68	71.5
	Minimum	48	31	31	34	34	42	26	31	26	34	34	29	25	25	27	25	16	6	13	19	20	25	27	28	29	33	19	18	6	10	15	25.4
Potts	Maximum	65	60	62	64	58	50	60	56	64	68	62	63	57	54	59	62	64	57	40	54	58	64	60	62	66	68	66	60	55	54	61	59.8
	Minimum	15	18	21	24	30	28	26	23	31	34	30	28	24	20	26	28	27	6	10	15	17	24	20	18	30	15	25	20	9	16	18	21.8
Tecoma	Maximum	79	80	82	78	80	82	80	78	76	74	79	80	77	73	76	72	62	57	62	71	70	73	71	74	68	67	66	60	55	56	57	71.5
	Minimum	38	37	39	36	33	37	34	30	28	27	32	25	27	32	28	26	21	10	18	28	28	31	30	31	27	28	22	10	− 1	0	0	25.5
Winnemucca	Maximum	79	82	82	86	86	81	80	86	86	86	82	79	74	79	79	71	49	57	67	69	75	77	77	68	66	64	67	46	58	67	68	73.3
	Minimum	46	38	46	41	40	45	36	36	34	33	37	32	30	32	31	32	22	16	18	29	24	28	28	32	26	30	21	20	15	17	18	30.1
Truckee Basin.																																	
Franktown	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Marlette Lake	Maximum	....	....	62	72	65	60	60	70	70	67	63	65	63	64	62	55	33	49	61	58	64	63	58	59	53	49	56	40	57	54	57	58.9
	Minimum	38	....	....	40	44	44	48	45	42	42	41	41	44	44	38	36	27	25	31	36	35	35	36	34	35	35	33	30	30	33	32	37.0
Reno	Maximum	78	81	82	87	84	82	82	86	86	87	84	80	78	78	78	71	49	58	70	68	78	77	77	70	68	67	71	51	61	69	71	74.5
	Minimum	44	43	43	46	48	52	44	42	41	41	43	44	41	38	39	42	33	29	26	32	34	36	36	36	33	36	32	29	23	28	30	37.5
Tahoe, Cal	Maximum	70	75	76	72	75	69	73	70	70	71	69	67	69	71	66	65	50	55	60	66	64	63	70	65	62	65	61	56	57	62	61	66.0
	Minimum	36	34	37	39	38	41	38	34	33	34	34	35	33	32	32	32	30	24	25	26	29	28	28	27	29	29	28	26	23	23	27	31.1
Carson Basin.																																	
Fallon §§	Maximum	81	82	84	85	89	81	79	83	84	85	82	81	75	77	80	72	51	56	63	73	75	76	82	72	67	66	72	50	56	64	67	73.9
	Minimum	47	41	40	40	44	51	40	37	37	37	36	39	37	34	35	41	33	16	19	27	29	28	32	35	29	30	26	33	15	20	23	33.3
Gardnerville	Maximum	....	....	77	79	79	....	....	....	....	80	80	77	77	....	....	75	71	66	66	65	68	75	74	87	....	....	72	70	....	68	70	73.8
	Minimum	....	....	36	38	39	....	....	....	....	35	34	35	38	....	....	33	33	32	14	19	24	28	28	27	....	....	26	24	....	17	21	29.0
Lahontan	Maximum	81	82	85	85	88	82	80	84	86	85	84	83	81	80	78	70	52	57	66	72	75	84	78	73	69	74	72	56	56	59	68	75.0
	Minimum	51	50	54	51	55	62	55	50	49	49	51	53	49	45	44	45	32	25	28	38	40	42	43	40	40	43	39	29	24	29	35	43.2
Walker Basin.																																	
Mina	Maximum	77	72	73	74	78	79	80	82	82	79	81	80	82	85	83	78	80	82	83	79	80	82	83	81	79	76	79	80	81	82	80	79.7
	Minimum	43	44	42	43	44	45	45	45	44	36	32	40	37	36	40	37	39	41	35	38	43	36	34	33	37	44	43	40	35	37	39	39.6
Yerington	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Bridgeport, Cal	Maximum	68	70	75	78	76	70	75	75	76	74	74	70	70	69	70	68	58	58	60	70	65	68	60	62	60	65	60	55	60	65	65	67.4
	Minimum	23	25	28	30	28	28	27	28	22	22	23	20	19	19	21	20	21	5	11	20	15	20	23	20	26	24	20	19	20	18	24	21.6
Colorado Basin.																																	
Indian Springs	Maximum	....	....	....	....	....	....	....	....	91	91	90	88	86	87	80	76	75	62	75	85	80	86	85	83	84	85	80	81	65	74	77	81.1
	Minimum	....	....	....	....	....	....	....	....	....	46	48	51	50	47	52	51	51	33	29	36	40	38	37	38	37	37	35	33	31	29	33	40.1
Las Vegas	Maximum	93	95	97	97	100	98	97	97	98	96	100	98	95	92	92	90	85	69	80	85	87	88	89	89	91	87	87	82	80	82	82	90.3
	Minimum	59	56	55	55	56	54	53	54	55	52	54	56	55	56	54	50	50	40	35	40	43	42	42	40	40	40	41	40	32	33	34	47.3
Logandale	Maximum	94	96	98	101	100	100	99	98	98	96	95	93	93	93	89	83	84	75	79	89	86	91	90	87	85	....	87	70	76	78	83	89.5
	Minimum	58	61	60	56	60	54	57	56	54	53	51	49	58	52	56	58	49	35	35	41	40	42	42	41	42	....	40	41	41	34	39	48.5
Pioche	Maximum	75	75	75	78	71	79	80	81	79	75	74	70	71	65	65	58	49	51	60	60	62	63	62	61	61	60	60	60	60	61	65	66.6
	Minimum	42	42	43	52	45	47	48	48	47	46	46	45	46	45	41	25	25	35	36	35	40	40	35	35	35	35	32	32	23	28	33	38.9
Minor Basins.																																	
Gerlach	Maximum	86	86	83	85	87	83	84	86	86	86	84	82	80	78	80	78	66	55	65	68	75	75	75	72	72	67	70	66	56	61	64	75.5
	Minimum	44	32	34	35	43	60	38	36	34	35	36	39	33	30	34	47	27	19	21	31	25	30	30	29	28	30	25	25	20	19	19	31.9
Goldfield	Maximum	76	80	83	86	87	81	82	83	83	83	81	84	77	78	75	73	59	55	66	71	74	75	76	70	67	68	69	60	60	69	71	74.3
	Minimum	47	45	47	50	50	50	48	44	45	44	43	45	43	41	48	41	44	20	25	36	35	37	36	40	37	38	34	38	21	30	31	39.8
McDermitt	Maximum	77	79	81	86	86	78	80	86	86	84	81	76	70	77	77	68	50	55	64	69	72	75	73	63	65	58	63	52	54	63	68	71.5
	Minimum	47	35	37	36	50	43	43	45	47	43	46	40	38	41	40	38	19	18	26	34	33	41	39	37	28	30	28	13	20	27	33	35.3
McGill	Maximum	76	77	81	84	84	83	79	83	81	82	79	75	74	77	77	73	61	54	66	67	76	74	74	66	63	62	67	57	58	65	68	72.4
	Minimum	42	41	42	42	43	50	42	41	42	40	39	40	39	38	46	38	32	19	19	26	31	33	39	35	35	42	32	25	16	24	28	35.5
Millett	Maximum	74	78	82	84	85	79	80	81	82	80	80	77	75	71	78	72	61	54	66	69	75	75	74	72	67	67	70	61	56	65	67	72.8
	Minimum	34	34	35	36	38	33	34	29	29	28	30	30	29	26	25	31	34	11	13	27	20	22	20	25	35	42	19	33	9	10	12	26.9
Oasis Ranch	Maximum	78	77	77	69	81	75	80	78	78	77	75	74	75	74	71	70	62	54	65	76	74	75	76	75	67	69	68	61	58	67	70	71.8
	Minimum	40	42	39	43	44	40	43	41	39	38	38	37	37	35	35	37	35	20	18	29	28	27	28	30	45	31	27	35	23	22	26	33.9
Rebel Creek	Maximum	78	80	83	85	87	77	80	83	86	85	83	78	71	78	79	69	52	57	68	70	75	76	74	77	75	70	65	53	57	66	70	73.8
	Minimum	44	42	46	48	45	50	44	43	40	42	46	43	43	41	38	37	27	21	30	28	25	30	36	37	38	36	28	24	18	24	30	36.3
Sand Pass	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Searchlight	Maximum	86	88	88	92	95	94	92	90	92	91	89	87	85	84	75	74	76	69	69	72	83	81	83	81	76	79	78	77	65	69	73	81.7
	Minimum	64	70	71	75	70	68	70	71	65	66	64	63	63	62	56	51	51	40	45	54	64	61	67	55	58	56	54	53	39	45	55	59.5
Sharp	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Sulphur	Maximum	86	88	97	98	87	86	80	84	86	85	86	80	80	79	81	80	78	78	76	75	77	76	77	74	67	67	68	69	61	64	65	78.5
	Minimum	41	41	43	44	45	51	42	40	40	47	47	41	38	36	35	40	29	29	22	29	32	31	32	40	31	34	22	21	25	23	27	35.4
Tonopah	Maximum	69	75	77	80	81	75	76	76	78	77	75	75	72	72	69	68	50	50	61	66	68	70	70	63	61	62	63	48	56	60	65	68.0
	Minimum	54	53	58	56	61	54	55	56	56	58	56	55	52	52	49	48	33	29	35	43	49	50	52	44	39	42	43	31	26	41	44	47.5

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Edmonton
Battleford
Prince Albert
Calgary
Medicine Hat
Swift Current
Qu'Appelle
Minnedosa
Winnipeg
White River
Kalispell
Spokane
Havre
Helena
Miles City
Billings
Williston
Devils Lake
Moorhead
Duluth
Sheridan
Lander
Rapid City
Pierre
Huron
Pocatello
Winnemucca
Salt Lake City
Modena
Cheyenne
Denver
Pueblo
North Platte
Valentine
Lincoln
Durango
Santa Fe
Flagstaff
Phoenix
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U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

NEVADA SECTION

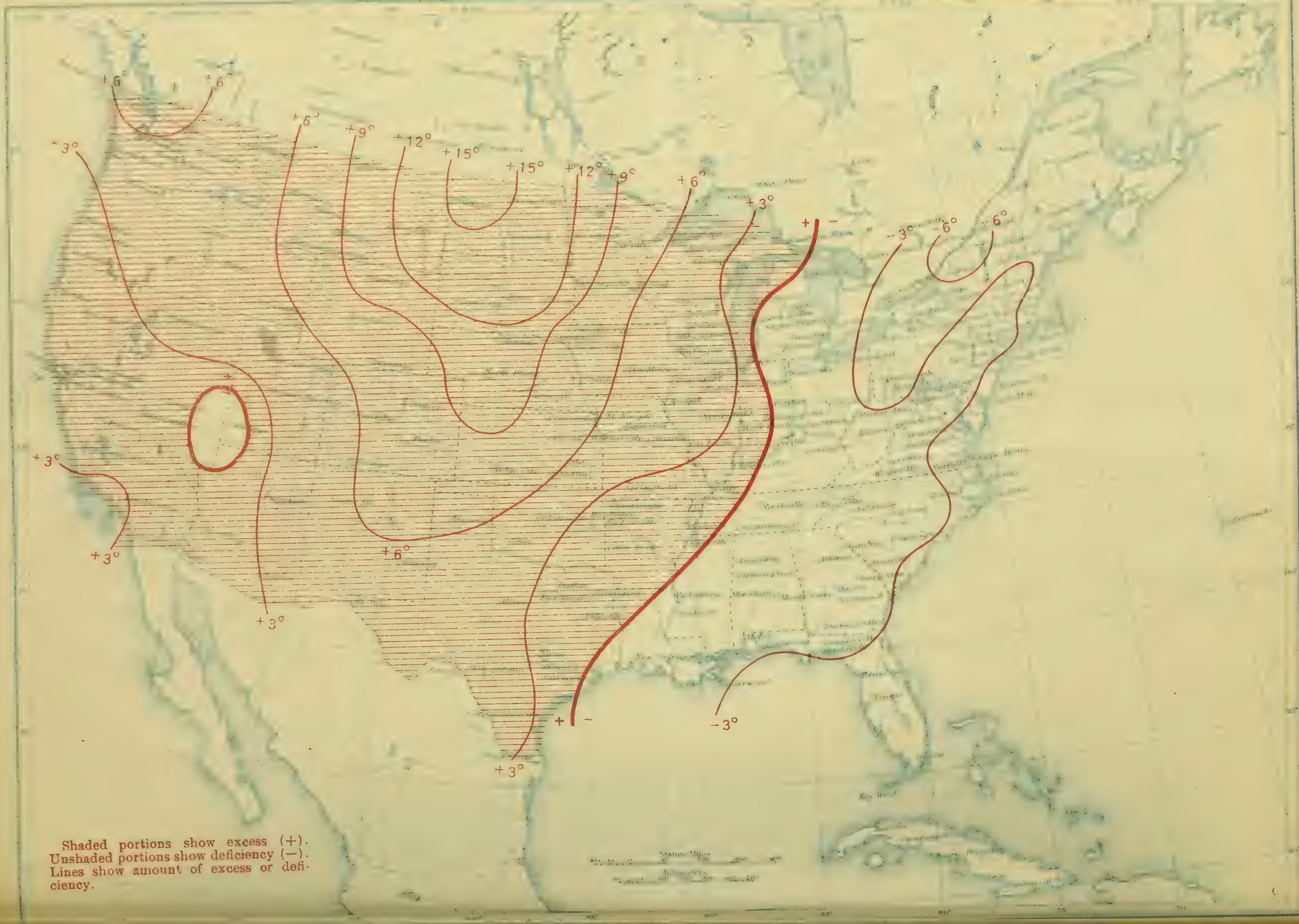
NOVEMBER, 1917

BY
HENRY F. ALPS
METEOROLOGIST

1862 1889

RENO, NEV.
WEATHER BUREAU OFFICE
DECEMBER 17, 1917.

Departure of the Mean Temperature from the Normal, November, 1917.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALPS, Meteorologist.

Vol. XXXII. Reno, Nevada, November, 1917. No. 11.

GENERAL SUMMARY.

November weather was pleasant. The temperature was high and steady, the sunshine and wind movement were normal, and there was less than the usual amount of moisture. The average temperature fell below normal for only a few days during the month. The highest monthly temperatures ranged from 57° at Marlette Lake, a mountain station in the southwest portion of Washoe County with an elevation of 7,900 feet, to 86° at Las Vegas. The temperature did not fall to zero at any station, the lowest recorded being 1° at Quinn River Ranch, in Humboldt County. There has been only one November in the past 29 years with a higher State mean temperature, and that was in 1894, when the mean was 43.7°. The precipitation was generally below normal. The greatest amounts fell in the eastern half of the State where some stations received more than normal precipitation. The driest areas were in portions of Humboldt, Washoe, Churchill, and Mineral Counties. Precipitation was general over the State from the 5th to the 7th, and light to moderate rains or snows fell in localities from the 12th to the 14th, and from the 24th to the 30th. Nineteen stations reported measurable snowfall.

The ideal autumn weather was favorable for farm work, except that it was too dry in a few localities for plowing, seeding, and the germination of fall sown grain. The condition of winter wheat and barley was reported to be excellent at the close of the month. The warm weather with few stormy days was beneficial to cattle and sheep on ranges and in winter feeding quarters, as less feed was required to keep them in good condition and much hay was conserved for future use. While ranges were short and dry in restricted areas, stock was generally in good condition.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 39 stations, was 43.4°. The mean for the 24 stations having ten or more years' record was 3.4° above normal. The highest recorded was 86°, at Las Vegas on the 4th; the lowest was 1°, at Quinn River Ranch on the 20th. The greatest daily range was 62°, at Quinn River Ranch on the 19th. The highest monthly mean was 57.7°, at Searchlight; the lowest was 35.8°, at Marlette Lake.

PRECIPITATION.

The average for 49 stations reporting was 0.52 inch. For the 28 stations having ten or more years' record, the mean was 0.14 inch below the normal. The average amount at 3 stations in the Columbia Basin was 1.45 inches; at 17 stations in the Humboldt Basin, 0.49 inch; at 5 stations in the Truckee Basin, 1.18 inches; at 5 stations in the Carson Basin, 0.71 inch; at 6 stations in the Walker Basin, 0.42 inch; at 4 stations in the Colorado Basin, 0.38 inch; at 16 stations in the minor basins, 0.40 inch. The greatest monthly fall was 1.62 inches, at Owyhee; there was none at Mina. The average number of days with precipitation was 3.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric pressure (sea level).			Mean relative humidity.		Wind.			
							Max. velocity.		
	Mean.	Highest.	Lowest.	5 a. m.	5 p. m.	Average hourly velocity.	Miles per hour.	Direc.	Date.
Reno	30.20	30.67	29.60	73	44	5.0	15	w.	30
Winnemucca	30.23	30.76	29.62	72	40	6.4	36	sw.	30
Tonopah	30.18	30.54	29.71	54	44	7.4	36	nw.	12

SUNSHINE AND CLOUDINESS.

At Reno, 72 per cent of the possible sunshine was recorded; at Winnemucca, 69 per cent; at Tonopah, 77 per cent. For the State, the average number of clear days was 16; partly cloudy, 5; cloudy, 9.

MISCELLANEOUS PHENOMENA.

(Dates of.)

Brisk Winds.—2, 3, 5, 12, 29, 30.

Solar halos.—9, 17.

Lunar halos.—9, 25, 28, 29.

Thunderstorms.—7.

Fog.—15, 16, 22.

COMPARATIVE DATA FOR NOVEMBER.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	39.6	81	4	1.08	1.3	3	15	6	9	s.
1890	40.9	86	5	0.18	0.9	1	23	4	3	nw.
1891	41.3	81	−2	0.09	T.	1	15	9	6	n.
1892	38.7	76	−13	2.08	7.4	3	13	9	8	s.
1893	38.2	74	−8	0.83	2.9	4	14	5	11	sw.
1894	43.7	83	−12	0.08	0.5	0	20	7	3	w.
1895	35.9	80	−10	0.67	5.2	4	12	8	10	w.
1896	35.6	79	−23	1.10	2.6	4	10	7	13	sw.
1897	40.3	77	−6	0.69	2.8	3	12	8	10	w.
1898	35.1	77	−10	1.10	4.1	4	15	6	9	w.
1899	40.8	73	3	0.50	8.0	3	11	7	12	w.
1900	40.7	78	1	1.34	6.5	5	13	6	11	sw.
1901	43.1	80	12	0.53	0.2	2	14	9	7	sw.
1902	37.2	82	−3	1.25	8.0	5	12	7	11	sw.
1903	41.8	89	4	0.67	0.2	2	15	8	7	s.
1904	41.8	80	2	0.06	T.	0	16	8	6	w.
1905	36.4	88	−10	1.11	10.6	4	16	5	9	n.
1906	35.5	83	−22	0.93	7.7	4	10	8	12	n.
1907	40.2	78	−1	0.21	1.7	1	20	5	5	w.
1908	38.3	83	−13	0.15	0.8	1	18	7	5	w.
1909	40.1	86	−10	0.51	7.5	5	11	8	11	w.
1910	42.2	80	−8	0.46	0.5	2	13	8	9	w.
1911	36.7	76	−9	0.26	1.5	2	19	6	5	w.
1912	39.9	78	3	0.60	1.2	3	18	6	6	w.
1913	40.3	83	−5	1.28	2.7	6	12	7	11	w.
1914	41.6	88	−11	0.03	0.2	0	22	5	3	w.
1915	40.1	88	−7	0.47	3.0	3	11	9	10	w.
1916	35.5	82	−13	0.34	2.8	2	19	6	5	sw.
1917	43.4	86	1	0.52	1.0	3	16	5	9	sw.
Entire period	39.4	89	−23	0.66	3.2	3	15	7	8	w.

Climatological data for November, 1917.

Stations.	Counties.	Elevation, feet.	Temperature, in degrees Fahr.								Precipitation, in inches.					Number of days.				Prevailing direction of the wind.	Observers.
			Length of record, years.	Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	4	......							4	......								......	U. S. Forest Service.
Mahoney Ran. Sta.**	do	6,200	2	......							2	1.24	......	0.60	0	4	......			......	Do.
Owyhee	do	5,400	6	41.1[f]	......	68[f]	22	11[f]	19	54[f]	6	1.62	......	0.71	2.1	5	10[g]	8[g]	5[g]	......	E. A. Schwab.
San Jacinto	do	5,200	12	......				4	19	....	12	1.48	+0.83	0.70	T.	5	12	6	12	n.	Utah Construction Co.
Humboldt Basin.																					
Arthur	Elko	6,500	..	......							7	0.62	−0.67	0.31	1.0	3	21	6	3	......	Isaac Woodhouse.
Austin	Lander	6,594	28	42.0[a]	+3.0	70[a]	2	19[a]	13	34[a]	28	0.94	+0.30	0.48	2.9	4	17[b]	2[b]	9[b]	......	Forest Service.
Battle Mountain	do	4,513	46	41.2	+3.8	67	1	10	27	51	48	T.	−0.51	T.	0	0	15	6	9	......	Southern Pacific Co.
Beowawe	Eureka	4,695	46	42.1	+5.6	75	1	11	27	53	48	1.25	+0.64	0.50	0	6	14	8	8	......	Do.
Clover Valley**	Elko	6,000	16	......							24	......								......	J. D. Weeks.
Elko	do	5,063	46	40.0	+5.6	73	2	10	†19	58	47	0.50	−0.42	0.40	T.	2	14	4	12	w.	Western Pacific Co.
Eureka	Eureka	6,837	19	42.8	+3.5	70	†1	20	†26	37	21	0.58	−0.15	0.35	4.0	6	15	4	11	s.	Clay Simms.
Golconda	Humboldt	4,392	38	41.9	+2.5	65	†2	14	19	40	40	0.23	−0.16	0.23	0	1	12	13	5	......	Southern Pacific Co.
Hylton**	Elko	7,081	..	......							7	0.88	......	0.41	T.	3	20	5	5	......	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	4	42.2	+2.3	72	†2	12	26	51	4	T.	−0.33	T.	0	0	12	0	18	......	Southern Pacific Co.
Lamoille	Elko	6,100	2	40.2	......	69[a]	2	22	†19	38[a]	2	0.90	−0.37	0.90	......	4	14	2	14	se.	Elko-Lamoille Power Co.
Lovelock	Humboldt	3,977	23	38.2	−3.6	66	†1	10	21	45	21	0.14	−0.09	0.05	0	3	16	4	10	n.	John R. Montgomery.
Metropolis §	Elko	5,661	4	39.2[f]	......	68[f]	2	12[f]	19	48[f]	8	0.50	......	0.40	1.0	2	9	15	6	......	L. F. Hatch.
North Fork	do	6,500	...	......							8	0.77	......	0.55	6.5	3	6	10	14	s.	Roy C. Pratt.
Paradise Valley	Humboldt	4,500	4	43.0[e]	......	70[f]	†1	7[e]	22	59[e]	8	0.13	......	0.07	0	4	8[e]	1[e]	16[e]	n.	F. C. Buckingham.
Potts	Nye	6,002	24	36.8	+2.8	70	2	12	20	48	26	0.43	+0.04	0.32	4.0	4	9	5	16	s.	Miss Irene Potts.
Tecoma	Elko	4,812	39	41.0	+6.8	70	†2	10	18	53	41	0.17	−0.19	0.06	0.5	4	13	9	8	......	Southern Pacific Co.
Winnemucca	Humboldt	4,344	40	41.9	+4.4	72	2	9	20	51	48	0.25	−0.49	0.20	0	3	15	5	10	ne.	U. S. Weather Bureau.
Truckee Basin.																					
Franktown §	Washoe	5,054	2	......							2	......								......	Agent V. & T. Ry.
Marlette Lake**	do	7,900	2	35.8[a]	......	57[a]	2	23[a]	†8	27[b]	4	1.59	......	0.62	14.5	7	17	2	11	sw.	V. & G. H. Water Co.
Reno	do	4,532	30	44.6	+3.6	72	1	22	21	40	30	0.68	−0.41	0.44	0	5	15	6	9	w.	U. S. Weather Bureau.
Bijou, Cal		6,230	2	......		64	4	......			8	0.98	......	0.56	6.0	4	16	7	7	n.	Chas. Young.
McKinney, Cal.**		6,225		......							8	1.53	......	0.72	T.	9	15	7	8	w.	Henry Soll.
Tahoe, Cal		6,230	9	38.5	......	64	1	22	†20	37	9	1.12	......	0.65	2.0	5	13	7	10	w.	Mrs. Emma C. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	23	42.8	+3.1	77	3	16	†21	46	23	0.34	+0.06	0.17	0	6	18	3	9	se.	U.S. Experiment Station.
Gardnerville	Douglas	4,830	26	42.9[d]	+0.1	71[d]	1	16[d]	22	44[d]	27	0.71	−0.86	0.71	2.0	1	15[d]	4[d]	7[d]	......	Forest Service.
Lahontan**	Churchill	4,200	5	47.6	......	75	3	26	21	33	7	0.22	......	0.12	0	2	13	9	8	w.	U.S. Reclamat'n Service.
Markleeville, Cal		5,525		......							8	1.82	......	1.11	3.0	3	17	8	5	s.	Mrs. Mary Thornburg.
Woodfords, Cal.**		5,634		......							8	0.44	......	0.20	T.	3	20	0	10	sw.	Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	10	47.6	+3.9	81	10	11	19	54	21	0.00	−0.17	0.00	0	0	21	0	6	......	Southern Pacific Co.
Smith	Lyon	4,800		......							9	0.88	......	0.80	2.0	2	12	7	11	sw.	C. M. Carter.
Thorne §	Mineral	4,200	4	41.0	−3.2	67	30	20	†1	45	4	T.	−0.34	T.	0	0	8	21	1	w.	Southern Pacific Co.
Yerington §	Lyon	4,375	8	......		79	†1	......			8	0.40	+0.02	0.40	0	1	......			......	S. L. Netherton.
Bridgeport, Cal		6,500	4	38.2	......	65	1	16	6	45	6	0.32	......	0.32	4.0	1	16[b]	0[b]	12[b]	s.	Robert Crawford.
Shields Ranch, Cal.**		5,300		......							8	0.89	......	0.89	6.0	1	23	5	2	......	Bruce H. Chichester.
Colorado Basin.																					
Indian Springs §**	Clark	3,136	4	49.2	......	78	4	24	26	46	4	0.41	......	0.41	0	1	......			w.	Ira MacFarland.
Las Vegas	do	2,033	15	57.2	+7.7	86	4	27	30	52	15	0.06	−0.27	0.06	0	1	21	8	1	se.	C. P. Squires.
Logandale §	do	1,355	10	55.0[b]	+2.0	84[b]	3	28[b]	29	47[b]	18	0.23	−0.25	0.23	0	1	25	2	3	......	Bert Mills.
Mt. Charleston**	do	9,000		......							2	......								......	E. W. Griffith.
Pioche	Lincoln	6,100	19	44.4	+6.8	65	3	23	6	32	19	0.80	+0.29	0.80	......	1	27	3	0	s.	L. H. Beason.
Minor Basins.																					
Beatty	Nye	3,309	1	50.5	......	80	†1	25	30	45	1	0.36	......	0.36	0	2	20	5	5	n.	E. E. Palmer.
Duck Flat**	Washoe	4,725		......							3	0.34	......	0.34	0	2	14	8	8	w.	C. T. Smith.
Francis (near)	do	5,350		......							3	0.42	......	0.29	T.	3	22	1	7	sw.	Geo. W. Barnard.
Gerlach	do	3,931	5	40.3	......	69	2	9	12	51	5	0.01	......	0.01	0	1	11	0	19	sw.	Western Pacific Co.
Goldfield	Esmeralda	5,700	10	43.6	+2.8	72	1	22	26	35	12	0.96	+0.60	0.90	T.	2	17	9	4	nw.	R. W. Robinson.
Jungo	Humboldt	4,165		......							4	......								......	Western Pacific Co.
McDermitt	do	4,700	6	44.4	+6.9	70	†1	20	26	41	30	0.73	−0.16	0.42	0	3	22	4	4	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	7	42.8	+7.3	70	†1	10	9	50	7	0.53	−0.25	0.22	3.7	3	15	8	7	n.	R. E. Middagh.
Millett	Nye	5,040	9	38.6	......	70	†1	4	21	58	10	0.22	......	0.15	0	2	15	5	10	......	Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	5	41.4	+3.8	70	1	19	†19	41	5	0.24	−0.12	0.16	0	2	19	6	5	......	Arthur L. Stewart.
Pahrump	Nye	2,608	4	......							4	......								......	F. M. Buol.
Quinn Riv. Ranch**	Humboldt	4,850	15	39.1[d]	+0.8	72[d]	†1	1[d]	20	62[d]	16	0.08	−0.48	0.08	0	1	16[d]	0[d]	10[d]	s.	F. M. Payne.
Rebel Creek	do	4,300	5	44.0	......	72	3	20	†20	42	6	0.47	......	0.25	0	5	10	7	13	sw.	Fred Whitaker.
Sand Pass**	Washoe	4,198	4	43.0[e]	......	65[j]	4	17	†20	41[j]	4	0.55	......	0.27	0	4	16	2	12	se.	R. R. Mott.
Searchlight	Clark	3,445	4	57.7	......	79	2	39	15	26	4	0.04	......	0.04	0	1	25	1	4	n.	C. L. Aug. Mahn.
Sharp	Nye	6,200	4	......							4	......								......	F. A. Sears.
Sulphur	Humboldt	4,044	4	43.2	......	68	1	14	19	42	4	0.05	......	0.05	0	1	19	1	10	sw.	Western Pacific Co.
Tonopah	Nye	6,090	12	43.6	......	64	1	28	13	21	12	0.63	......	0.60	0.3	3	16	8	6	se.	U. S. Weather Bureau.
Vya	Washoe	5,500		......							4	0.76	......	0.20	2.0	7	20	4	6	sw.	L. A. Mariette.
For the state				43.4	+3.4	86	4	1	20	62	....	0.52	−0.14	0.90	1.0	3	16	5	9	sw.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Mahoney Ranger Station, Jarbridge; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of McKinney, Hellman's, Lake Tahoe, Cal.; of Lahontan, Hazen; of Woodfords, Cal., Sheridan, Nev.; of Shields Ranch, Coleville, Cal.; of Mt. Charleston, Las Vegas; of Duck Flat, Sunkist; of Oak Springs, Las Vegas; of Oasis Ranch, Oasis, Cal.; of Quinn River Ranch, Amos; of Sand Pass, Sheepshead.

Reference letters, [a], [b], [c], appearing in the table indicate number of days missing, for example, [b] represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for November, 1917.

Stations.	Day of month																															Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia Basin.																																
Gold Creek (near)																																
Mahoney Ranger Station ‖																									.21			.60	*	.40		1.21
Owyhee												.04	.09												.71			.28	.20			1.62
San Jacinto								T.				T			.06									.10	.12	.50			.70			1.48
Humboldt Basin.																																
Arthur						.31	T							T											.19			.12				0.62
Austin						.22						.18												T	.20			.34				0.94
Battle Mountain																																
Beowawe																										T			T			T
Clover Valley								.25				.10	.20											.10	.10			.50				1.25
Elko						T.		.10					T.	T.										.40				T				0.50
Eureka						.10	.05					.35	.02	T.										.01	.05			T				0.58
Golconda						.23																					T					0.23
Hylton								T.	.41				.24												.23			T				0.88
Imlay											T.													T								T
Lamoille ‖								.07						.42												.30		.11		T		0.90
Lovelock						.05						.04																.05				0.14
Metropolis ‖												T.	T.	.10	T.										T.			T	.40			0.50
North Fork						.20																						.02	.55			0.77
Paradise Valley						.02	.01					T.												T			.07		.03	T		0.13
Potts						.02	.04					.05		T.																.32		0.43
Tecoma												T.	*	.06	.03									*	.04			.04				0.17
Winnemucca***						.04						.01												T.				.20				0.25
Truckee Basin.																																
Franktown																																
Marlette Lake ‖						.62	.17	.27					.10											.03	.18			.22				1.59
Reno ***					.04	.42	.01					T.												.01						.20		0.68
Bijou, Cal.						.56	T.					.18												.11					T	.13		0.98
McKinney, Cal.					.26	.72	.02					.21												.06			.04	.02	.02	.18		1.53
Tahoe, Cal. ‖						.65	T.					.33												.03				.09	.02	T		1.12
Carson Basin.																																
Fallon ‖						.03	.17	.09				.02													.02			.01				0.34
Gardnerville						.71																										0.71
Lahontan					.12	.10																						T.				0.22
Markleeville, Cal.					T.	.37						.34																		1.11		1.82
Woodfords, Cal.	.04					.20						T.												.20								0.44
Walker Basin.																																
Mina																																0.00
Smith						.80	.08																	T.								0.88
Thorne																			T.					T								T
Yerington						.40																										0.40
Bridgeport, Cal.						.32																										0.32
Shields Ranch, Cal.						.89																		T.						T.		0.89
Colorado Basin.																																
Indian Springs ‖							.41																									0.41
Las Vegas						T.	.06																									0.06
Logandale					.23																											0.23
Mt. Charleston																																
Pioche						.80																										0.80
Minor Basins.																																
Beatty						.20	.16																									0.36
Duck Flat						.24	.10																									0.34
Francis (near)							.29	.01				.12												T.	T.							0.42
Gerlach							.01																									0.01
Goldfield						.90	.06																									0.96
Jungo																																
McDermitt							.14																					.17	.42			0.73
McGill						.16						.22		.15										T.	T.							0.53
Millett						.15	.07																									0.22
Oasis Ranch						.08	.16																									0.24
Pahrump																																
Quinn River Ranch						.08																										0.08
Rebel Creek						.08	.05																		.04			.25	.05			0.47
Sand Pass					T.	.27	.09	.03																			.16					0.55
Searchlight							.04																									0.04
Sharp																																
Sulphur					.05																											0.05
Tonopah***						.56	.06					T.												.01								0.63
Vya ‖			.12		.20			.05				.01															.08		.10	.20		0.76

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau stations: precipitation is for the 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

Daily evaporation (inches) and wind movement (miles) for November, 1917.

(See temperature and precipitation data in climatological tables, pages 84 to 86.)

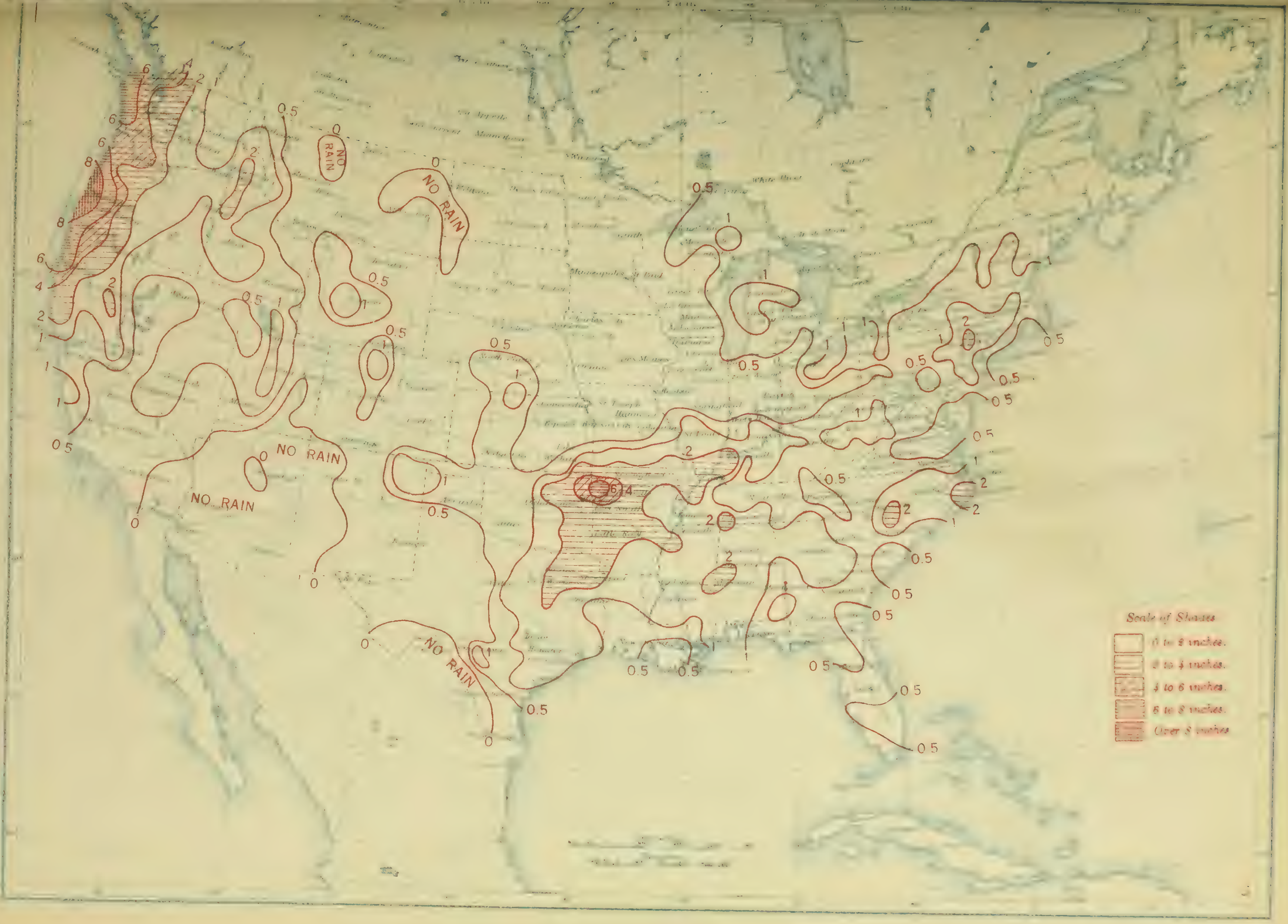
Stations.	Data.	Day of month.																														Monthly.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Indian Springs*	Evaporation	.177	.040	.133	.160	.152	.142	.067	.067	.074	.106	.092	.084	.122	.114	.094	.104	.086	.096	.121	.122	.106	.081	.078	.074	.118	.078	.080	.081	.091	.050	....	2.990
	Wind movement	19	18	20	20	24	39	53	18	19	25	21	20	26	28	24	23	20	21	16	21	27	22	24	19	42	29	14	21	29	18	....	720
Lamoille*	Evaporation																																
	Wind movement																																
Marlette Lake.*	Evaporation																																
	Wind movement																																
Tahoe, Cal.**	Evaporation	.135	.115	.135	.120	.140	.005	.075	.060	.150	.150	.165	...	.065	.105	.060	.075	.095	.070	.060	.095	.085	.080	.060	.050	.065	.055	.135	.065	.080	.090	....	2.731
	Wind movement	40	45	33	64	44	96	80	24	45	46	51	117	73	42	69	72	37	45	120	82	67	63	59	78	24	39	56	72	68	128	...	1,879

* Observations taken at 7 a. m.; ** at 8 a. m. ‡ Included in next following entry.

Daily temperatures for November, 1917.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek (near)	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Owyhee	Maximum	....	....	....	64	59	53	58	60	62	61	62	51	40	48	....	....	55	63	65	63	67	68	58	48	43	45	....	45	47	58	....	56.0
	Minimum	....	....	....	36	26	40	41	28	21	28	22	25	23	16	....	....	20	14	11	12	19	23	23	38	32	21	....	32	35	44	....	26.2
San Jacinto	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	15	21	37	29	15	30	35	32	15	22	17	16	26	25	15	25	10	7	4	9	12	14	18	22	34	19	15	19	33	45	....	21.2
Humboldt Basin.																																	
Austin	Maximum	68	70	61	....	61	50	45	48	53	55	58	45	48	46	50	53	55	55	58	56	60	58	57	56	48	45	54	46	49	58	....	54.0
	Minimum	39	40	43	....	32	34	34	29	30	35	30	25	19	26	26	26	29	24	26	27	26	34	35	34	28	23	25	30	30	34	....	30.1
Battle Mountain	Maximum	67	59	64	65	63	65	65	63	64	63	65	63	63	62	60	60	60	59	58	59	60	63	62	65	64	64	50	55	55	50	....	61.2
	Minimum	26	24	24	25	24	26	26	28	25	23	25	24	23	23	15	14	17	16	15	16	12	15	14	15	14	13	10	35	35	30	....	21.1
Elko	Maximum	72	73	68	66	58	58	60	55	59	59	60	45	44	44	56	54	53	50	56	58	60	65	53	53	48	47	50	50	58	61	....	56.4
	Minimum	16	15	40	32	19	32	36	34	21	22	20	26	25	37	25	18	11	12	10	10	14	17	18	36	34	21	12	29	34	35	....	23.7
Eureka	Maximum	70	70	63	65	60	52	48	52	58	57	63	50	38	42	50	53	53	59	60	61	62	67	62	53	46	48	54	49	55	55	....	55.8
	Minimum	35	37	48	34	38	35	34	30	27	36	27	30	24	30	25	24	24	23	24	25	25	31	33	35	32	20	20	30	28	33	....	29.9
Imlay	Maximum	70	72	70	72	65	64	60	58	57	58	57	58	55	55	58	59	60	61	64	62	61	63	60	58	55	55	56	57	60	58	....	60.6
	Minimum	26	25	20	21	28	28	27	26	28	26	25	20	19	18	20	22	20	28	21	20	18	19	25	28	29	12	18	29	35	34	....	23.8
Lamoille	Maximum	66	69	63	60	60	49	55	50	54	52	58	40	35	41	46	50	50	53	55	58	58	62	60	49	40	45	49	45	51	....	....	52.5
	Minimum	33	31	33	38	31	33	34	29	27	27	32	32	27	27	27	27	27	23	22	22	28	28	28	28	28	23	24	23	23	23	....	27.9
Metropolis	Maximum	60	68	65	61	61	54	54	....	....	55	....	59	46	39	37	....	....	....	50	59	61	63	60	55	44	42	44	39	38	58	....	53.0
	Minimum	18	20	22	33	34	39	34	....	....	20	....	29	26	26	28	....	....	....	12	13	17	18	23	36	32	22	15	28	33	40	....	25.4
Paradise Valley	Maximum	70	70	61	64	53	55	....	55	63	65	67	55	47	54	50	....	....	....	....	....	60	66	54	57	50	52	55	53	56	66	....	58.2
	Minimum	21	18	35	22	22	37	25	44	19	28	21	38	40	37	31	....	....	....	....	....	18	7	25	36	31	11	30	33	31	38	....	27.9
Potts	Maximum	64	70	59	57	57	49	43	41	52	53	53	49	35	35	46	48	50	53	55	56	59	60	59	48	45	43	50	45	52	50	....	51.2
	Minimum	28	22	48	26	18	34	31	28	20	25	20	27	16	29	19	18	14	13	14	12	13	17	21	28	32	13	13	32	23	20	....	22.5
Tecoma	Maximum	68	70	69	68	70	67	66	68	65	67	65	66	68	67	62	70	62	60	62	67	63	60	52	50	52	54	55	50	55	56	....	62.5
	Minimum	18	20	22	23	20	22	24	30	28	18	12	22	24	19	12	18	12	10	11	17	20	22	18	21	22	23	18	17	22	23	....	19.6
Winnemucca	Maximum	72	72	64	66	51	52	58	58	59	63	64	51	49	54	57	60	59	61	61	60	62	65	50	56	55	52	56	50	59	65	....	58.7
	Minimum	28	21	42	27	25	39	30	29	24	27	21	29	17	18	19	20	18	22	14	9	15	18	21	37	22	15	14	34	46	52	....	25.1
Truckee Basin.																																	
Marlette Lake	Maximum	....	57	48	48	42	35	32	41	45	46	44	32	31	36	42	52	46	48	52	47	49	52	42	35	39	42	41	35	39	49	....	43.0
	Minimum	32	....	33	33	33	27	27	23	23	23	29	27	24	25	25	25	26	32	27	27	39	28	28	30	30	30	25	28	28	33	....	28.6
Reno	Maximum	72	65	66	67	57	44	50	57	56	62	65	49	50	55	61	62	60	59	59	59	62	59	50	52	56	58	59	54	62	58	....	58.2
	Minimum	38	33	41	35	36	34	40	31	32	34	28	31	26	26	26	28	26	25	24	23	22	23	30	34	30	25	25	34	46	42	....	30.9
Tahoe, Cal	Maximum	64	55	58	59	50	39	43	50	62	50	53	42	42	48	50	49	54	52	50	50	60	50	50	42	49	49	53	47	47	47	....	50.5
	Minimum	27	28	31	29	29	31	31	26	26	30	27	27	24	26	25	24	23	24	24	22	22	23	24	28	27	24	24	26	26	36	....	26.5
Carson Basin.																																	
Fallon §§	Maximum	72	71	77	69	60	50	54	58	57	57	64	56	49	54	61	59	57	56	55	57	55	58	47	59	57	55	56	57	65	67	....	59.0
	Minimum	28	25	41	28	33	39	41	32	30	35	26	39	21	21	21	23	20	17	17	17	16	18	22	30	31	19	16	24	32	40	....	26.7
Gardnerville	Maximum	71	70	69	....	69	67	50	54	55	59	....	60	60	56	58	58	59	....	58	57	56	58	53	55	....	60	62	61	64	63	....	60.1
	Minimum	29	26	36	....	34	32	38	26	28	35	...	24	21	19	20	21	20	....	18	17	17	16	26	26	....	20	18	30	35	36	....	25.7
Lahontan	Maximum	73	67	75	70	62	52	54	60	56	60	64	56	52	55	62	61	60	59	58	59	58	61	49	59	62	60	62	64	67	68	....	60.8
	Minimum	40	39	44	39	40	38	37	34	32	33	34	42	30	29	31	31	30	32	28	27	26	28	30	35	35	36	35	38	40	40	....	34.4
Walker Basin.																																	
Mina	Maximum	77	76	78	73	80	79	78	80	78	81	73	70	68	65	66	63	66	63	65	64	65	64	65	65	63	64	65	61	66	64	....	69.5
	Minimum	32	34	40	35	38	40	37	36	37	36	27	24	23	21	21	18	20	14	11	13	15	16	25	27	28	13	14	31	27	19	....	25.7
Yerington	Maximum	79	79	73	75	71	70	65	55	53	56	52	52	59	53	59	51	55	57	53	50	55	57	59	52	56	60	60	61	61	73	....	60.4
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	21	23	29	19	14	29	25	....	....
Bridgeport, Cal.	Maximum	65	60	55	63	60	55	50	54	50	51	50	55	50	54	55	60	54	61	60	55	60	62	56	60	55	60	55	61	54	50	....	56.3
	Minimum	20	18	21	20	18	16	24	18	20	18	24	21	18	20	24	20	18	24	20	18	21	20	18	23	20	20	18	20	24	18	....	20.1
Colorado Basin.																																	
Indian Springs	Maximum	77	76	78	77	74	77	55	61	62	62	66	64	65	63	62	64	66	60	65	67	74	68	72	76	61	62	66	65	60	62	....	66.9
	Minimum	36	34	35	36	36	35	34	31	33	32	31	33	32	29	30	32	31	29	31	33	32	33	30	30	28	24	31	30	25	28	....	31.5
Las Vegas	Maximum	84	84	84	86	82	75	76	75	75	77	76	77	77	71	70	71	72	79	80	80	82	83	75	77	76	74	77	77	78	79	....	77.6
	Minimum	39	35	36	42	35	51	50	41	35	35	35	36	36	38	35	32	34	36	36	35	37	37	38	34	36	36	35	36	33	27	....	36.7
Logandale	Maximum	83	81	84	81	78	70	70	75	68	74	74	79	67	69	70	76	74	79	79	81	72	73	71	72	....	....	68	66	65	68	....	73.8
	Minimum	38	38	42	37	44	44	37	38	40	37	35	41	31	32	34	34	36	32	33	35	40	38	34	37	....	....	33	35	28	29	....	36.1
Pioche	Maximum	60	60	65	62	49	46	48	50	52	56	59	60	58	50	49	54	54	52	60	60	61	64	64	60	62	63	55	58	58	55	....	56.8
	Minimum	41	40	40	40	26	23	27	31	33	32	32	32	33	25	25	26	27	26	30	37	38	39	35	28	33	34	33	35	34	28	....	32.1
Minor Basins.																																	
Beatty	Maximum	80	80	80	79	77	62	50	52	55	56	65	63	57	55	57	72	63	58	68	75	75	80	62	70	68	60	60	68	67	65	....	66.0
	Minimum	50	50	35	42	33	42	36	30	33	36	35	34	34	31	28	31	34	36	35	39	34	44	33	35	34	31	26	32	32	25	....	35.0
Gerlach	Maximum	67	69	63	65	63	64	56	57	56	61	60	62	50	54	59	59	58	59	55	56	55	56	57	58	58	57	59	62	61	62	...	59.3
	Minimum	26	32	34	30	32	33	35	34	28	33	30	23	17	16	19	20	18	16	15	12	9	11	12	13	13	14	15	15	15	20	...	21.3
Goldfield	Maximum	72	70	66	66	58	52	38	50	55	55	60	53	46	48	56	56	56	59	58	59	58	64	58	56	53	56	50	53	60	53	....	56.5
	Minimum	38	35	47	40	32	35	31	36	29	36	31	34	25	24	25	26	27	26	26	26	28	31	36	34	34	22	24	30	28	29	....	30.8
McDermitt	Maximum	70	70	64	62	57	54	57	54	58	61	60	63	53	48	57	58	63	58	59	62	65	68	53	50	50	52	53	46	52	59	....	57.9
	Minimum	35	33	44	34	35	41	34	32	32	37	31	33	22	26	24	23	29	26	25	24	29	27	30	32	31	20	23	32	37	46	....	30.9
McGill	Maximum	70	70	64	64	62	52	46	54	60	61	63	56	48	40	45	53	52	51	57	58	60	61	62	57	58	58	54	49	55	57	....	56.6
	Minimum	29	31	45	39	36	36	33	29	10	29	24	32	22	29	25	28	24	23	22	24	25	26	30	40	32	27	19	32	31	34	....	28.9
Millett	Maximum	70	70	67	65	61	55	52	54	53	56	61	55	47	50	55	55	59	58	59	63	61	63	53	55	53	52	49	55	61	59	....	57.5
	Minimum	24	12	47	36	18	37	33	24	20	17	18	25	14	27	21	11	8	10	7	6	4	13	11	30	31	10	5	30	25	19	....	19.8
Oasis Ranch	Maximum	70	69	68	66	59	54	44	48	54	52	56	55	47	48	54	55	57	55	54	58	59	56	58	56	55	58	54	52	56	54	....	56.0
	Minimum	33	28	40	34	30	31	32	38	28	32	28	30	29	27	25	23	24	21	19	20	21	20	25	22	30	26	19	23	24	23	....	26.8
Rebel Creek	Maximum	71	70	72	63	57	52	60	59	59	60	61	54	49	55	54	60	54	62	62	62	64	66	50	47	54	54	56	50	59	57	....	58.4
	Minimum	35	36	32	33	36	38	36	33	28	32	28	35	29	21	22	23	26	27	27	20	24	26	27	37	34	20	20	33	40	33	...	29.7
Sand Pass	Maximum	....	61	....	65	55	54	55	55	....	....	56	....	....	....	....	....	....	51	60	58	55	52	48	55	57	54	53	54	59	62	....	56.0
	Minimum	30	30	41	35	45	39	39	33	29	38	29	34	23	22	25	27	24	25	21	17	20	17	23	32	35	21	20	31	45	49	....	30.0
Searchlight	Maximum	75	79	76	76	73	66	61	61	66	70	72	73	60	59	61	65	64	63	65	68	70	71	73	68	67	61	61	62	66	66	....	67.3
	Minimum	59	58	54	52	47	50	42	41	50	51	48	47	44	42	39	40	50	49	51	55	55	56	55	49	45	44	45	42	42	42	....	48.1
Sharp	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Sulphur	Maximum	68	67	65	64	66	60	58	57	57	58	61	62	58	54	58	56	55	57	56	54	54	53	54	56	57	58	57	55	60	62	....	58.6
	Minimum	30	28	35	31	34	46	37	38	21	29	24	30	28	20	22	21	22	20	14	18	18	20	18	23	28	28	29	29	43	45	....	27.7
Tonopah	Maximum	64	64	60	60	56	45	36	42	49	50	52	50	41	42	49	50	51	54	54	53	52	58	54	50	47	44	48	47	51	49	....	50.7
	Minimum	47	45	44	41	41	33	31	34	37	40	37	29	28	28	32	37	37	39	40	37	36	40	44	37	34	30	32	32	37	35	....	36.5

§§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.
NO RAIN
NO RAIN
NO RAIN
NO RAIN
NO RAIN
0
0.5
1
2
4
6
8

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U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

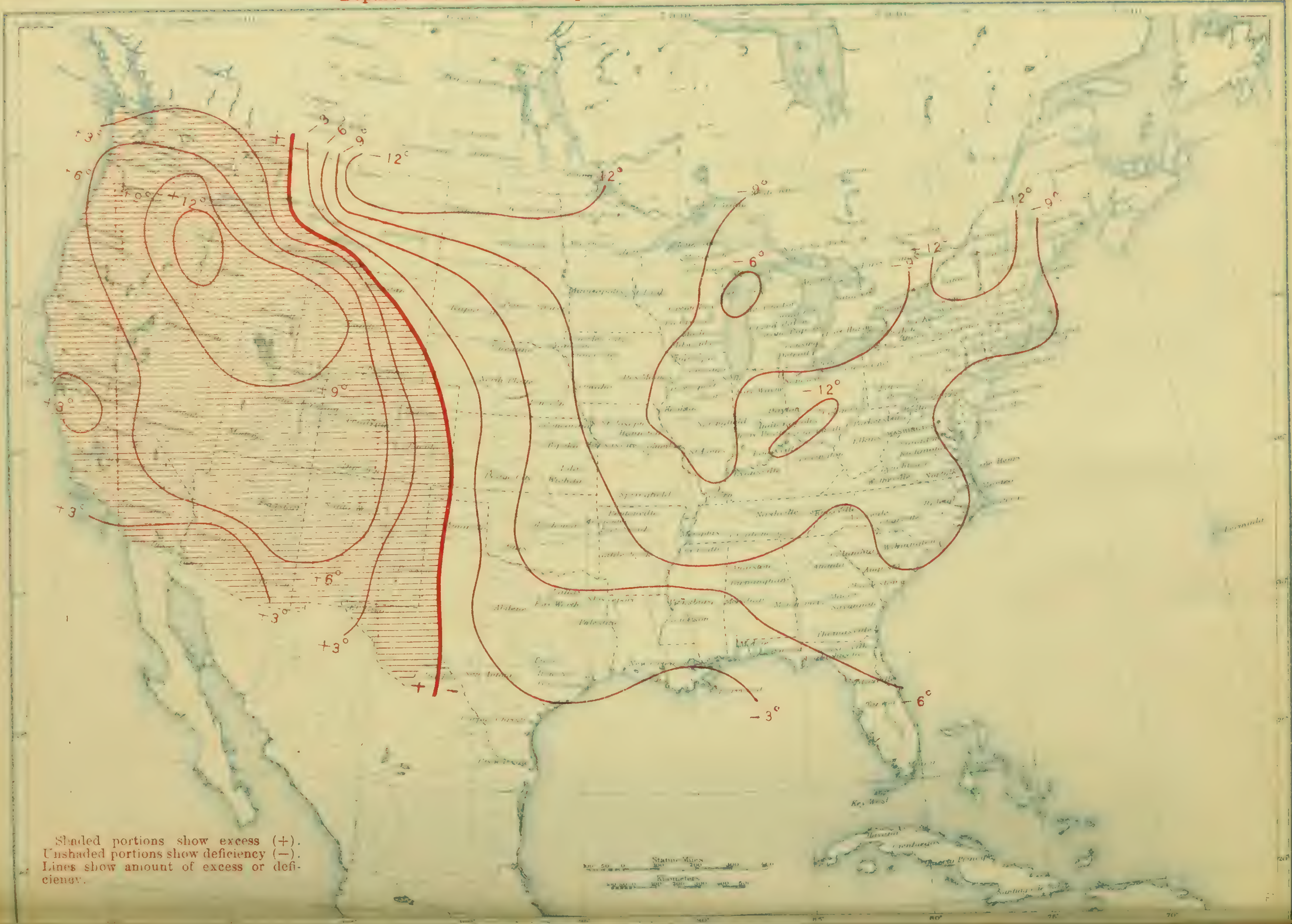
NEVADA SECTION

DECEMBER, 1917

BY
HENRY F. ALPS
METEOROLOGIST

RENO, NEV.
WEATHER BUREAU OFFICE
JANUARY 21, 1918.

Departure of the Mean Temperature from the Normal, December, 1917.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALPS, Meteorologist.

Vol. XXXII. Reno, Nevada, December, 1917. No. 12.

GENERAL SUMMARY.

This was the warmest and one of the driest Decembers during the past 29 years, over which period State-wide records extend. The atmospheric pressure and percentage of sunshine were unusually high, and the wind movement was low. The temperature averaged 3.6° higher than any other record for December, and it was nearly 8° above the normal. There were no pronounced warm or cool periods, but the excesses above the normal were greater during the last half of the month. There were only seven stations which did not record a maximum temperature of 60° or more, and 70° or higher was reached at seven stations. All minimum temperatures were above zero, except at Quinn River Ranch, where 1° below zero was recorded. The lowest temperature at Reno was 20°, and at Searchlight, in the extreme south portion, the lowest was 32°.

There has been only one other December in the past 29 years when the average precipitation was so low, and that was in 1903, when the same amount, 0.14 inch, was recorded. Other Decembers with low precipitation were in 1900 and 1908, when the average was 0.19 inch, and in 1912, when it was 0.23 inch. This is the fifth consecutive month with the precipitation below normal, the deficiencies being small in August, September, and November, and large in October and December. There were 23 stations which reported no measurable precitation, and one inch or more was recorded at mountain stations in the Lake Tahoe district. The greatest monthly amount of snowfall recorded at any station was 11.5 inches at Marlette Lake.

The unfrozen condition of the ground permitted plowing to be done at intervals, and the areas of seeded and plowed land were greater than usual. Winter grains were in good condition, although moisture was needed. Cattle were reported to be in a thriving condition, and sheep fair to good. The water supply was short in many winter grazing quarters, due to the continued dry weather, and in some cases this has prevented the moving of sheep to winter ranges.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 39 stations, was 39.0°. The mean for the 24 stations having ten or more years' record was 7.7° above normal. The highest recorded was 79°, at Las Vegas on the 28th; the lowest was −1°, at Quinn River Ranch on the 11th. The greatest daily range was 54°, at Millett on the 19th. The highest monthly mean was 53.2°, at Searchlight; the lowest was 30.9°, at Marlette Lake.

PRECIPITATION.

The average for 47 stations reporting was 0.14 inch. For the 27 stations having ten or more years' record, the mean was 0.78 inch below the normal. The average amount at 3 stations in the Columbia Basin was 0.44 inch; at 15 stations in the Humboldt Basin, 0.12 inch; at 5 stations in the Truckee Basin, 1.87 inches; at 5 stations in the Carson Basin, 0.32 inch; at 6 stations in the Walker Basin, 0.04 inch; at 4 stations in the Colorado Basin, 0.02 inch; at 16 stations in the minor basins, 0.08 inch. The greatest monthly fall was 1.82 inches, at Marlette Lake; there was none at ten stations. The average number of days with precipitation was 1.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric pressure (sea level).			Mean relative humidity.		Wind.			
	Mean.	Highest.	Lowest.	5 a. m.	5 p. m.	Average hourly velocity.	Max. velocity. Miles per hour.	Direc.	Date.
Reno	30.23	30.49	29.70	73	42	4.4	48	w.	1
Winnemucca	30.23	30.59	29.62	72	46	7.0	35	sw.	1
Tonopah	30.18	30.42	29.83	53	43	6.0	39	nw.	6

SUNSHINE AND CLOUDINESS.

At Reno, 73 per cent of the possible sunshine was recorded; at Winnemucca, 66 per cent; at Tonopah, 80 per cent. For the State, the average number of clear days was 18; partly cloudy, 7; cloudy, 6.

MISCELLANEOUS PHENOMENA.

(Dates of.)

Brisk winds.—1, 6, 10, 14, 15, 23.
Solar halos.—6.
Lunar halos.—3, 4, 7, 8, 21, 22, 23, 24.

COMPARATIVE DATA FOR DECEMBER.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	34.4	70	−20	4.09	23.0	13	4	6	21	s.
1890	35.1	73	0	1.00	1.0	5	11	9	11	sw.
1891	26.3	66	−33	2.75	22.3	8	8	9	14	n.
1892	30.4	63	−23	1.23	4.0	5	8	6	17	s.
1893	34.3	72	−15	0.69	5.2	4	13	7	11	s.
1894	27.6	64	−32	2.50	19.7	9	7	8	16	w.
1895	28.0	78	−34	0.42	5.9	4	12	10	9	n.
1896	34.6	73	−10	0.40	2.3	2	14	10	7	s.
1897	29.1	69	−14	1.06	4.9	4	13	7	11	w.
1898	25.3	70	−15	0.48	2.8	3	16	7	8	n.
1899	28.4	68	−25	1.15	8.1	4	14	7	10	ne.
1900	33.1	71	−12	0.19	0.9	1	14	6	11	sw.
1901	32.5	78	−19	0.69	2.2	3	17	7	7	sw.
1902	33.7	78	− 2	0.35	0.9	2	13	7	11	sw.
1903	30.4	71	− 9	0.14	1.2	1	20	6	5	n.
1904	33.3	76	−23	0.51	3.1	2	14	6	11	n.
1905	22.5	68	−21	0.60	6.4	3	15	7	9	sw.
1906	33.5	74	−21	1.91	12.7	6	8	10	13	s.
1907	35.6	78	−11	1.47	6.2	5	10	10	11	sw.
1908	27.6	67	−20	0.19	1.6	1	15	8	8	w.
1909	23.3	70	−25	1.54	7.4	6	10	7	14	n.
1910	33.1	91	− 8	1.15	4.3	5	13	8	10	w.
1911	26.4	69	−31	0.46	6.0	3	15	9	7	sw.
1912	29.8	68	−16	0.23	2.0	2	17	7	7	w.
1913	28.7	69	−22	1.53	8.1	5	12	9	10	w.
1914	24.5	69	−27	0.54	5.6	4	14	7	10	sw.
1915	32.7	81	−28	0.93	5.9	4	12	9	10	w.
1916	27.6	70	−30	0.87	10.3	5	13	6	12	sw.
1917	39.0	79	− 1	0.14	0.8	1	18	7	6	sw.
Entire period	30.4	91	−34	1.01	6.4	4	13	8	10	sw.

LATE REPORTS.

November, 1917.—Gold Creek, (7 days missing) mean temperature, 36.3°; highest, 60° on 20th and 22d; lowest, 16°, on the 17th. Number of clear days, 13; partly cloudy, 2; cloudy, 8.

Climatological data for December, 1917.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days.					Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.	Prevailing direction of the wind.	
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	4	......	......	......	......	9^{i}	11	....	4	0.40	......	0.25	6.0	2	11^{i}	7^{i}	4^{i}	s.	U. S. Forest Service.
Mahoney Ran. Sta.**	do	6,200	2	......	......	......	......	......	......	......	2	......	......	......	......	......	......	......	......	......	Do.
Owyhee	do	5,400	6	40.4^{g}	......	64^{g}	29	8^{g}	10	41^{g}	6	0.60	......	0.19	T.	8	7^{g}	10^{g}	7^{g}	......	E. A. Schwab.
San Jacinto	do	5,200	12	35.6	+12.7	61	†19	4	3	47	12	0.33	−0.28	0.20	2.0	2	9	8	14	s.	Utah Construction Co.
Humboldt Basin.																					
Arthur	Elko	6,500	......	......	......	......	......	......	......	......	7	......	......	......	......	......	......	......	......	......	Isaac Woodhouse.
Austin	Lander	6,594	28	38.0^{c}	+7.4	62^{c}	29	15^{c}	7	32^{c}	28	T.	−1.19	T.	0	0	18^{c}	2^{c}	8^{c}	......	Forest Service.
Battle Mountain	do	4,513	46	37.3	+7.9	62	28	10	†29	51	48	......	......	......	0	......	16	12	3	......	Southern Pacific Co.
Beowawe	Eureka	4,695	46	37.4	+7.9	66	18	7	11	48	48	0.02	−0.77	0.02	0.2	1	15	12	4	......	Do.
Clover Valley**	Elko	6,000	16	......	......	......	......	......	......	......	24	......	......	......	......	......	......	......	......	......	J. D. Weeks.
Elko	do	5,063	46	35.1	+8.0	62	†19	6	11	49	47	T.	−0.88	T.	T.	0	13	7	11	sw.	Western Pacific Co.
Eureka	Eureka	6,837	19	37.9	+6.9	63	†19	11	8	37	21	0.30	−0.67	0.30	4.0	1	21	4	6	n.	Clay Simms.
Golconda	Humboldt	4,392	38	37.1	+6.2	62	20	10	†6	44	40	T.	−0.83	T.	T.	0	8	22	1	w.	Southern Pacific Co.
Hylton**	Elko	7,081	......	......	......	......	......	......	......	......	7	0.12	......	0.12	1.0	1	22	7	2	......	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	4	38.1	+5.8	65	†20	8	10	45	4	T.	−0.69	T.	0	0	18	5	8	......	Southern Pacific Co.
Lamoille	Elko	6,100	2	39.0	......	70	†18	12	7	46	2	0.05	−1.12	0.05	T.	1	21	5	5	se.	Elko-Lamoille Power Co.
Lovelock	Humboldt	3,977	23	......	......	......	......	5	9	....	21	0.01	−0.23	0.01	0	1	23	0	8	s.	John R. Montgomery.
Metropolis §	Elko	5,661	4	34.9	......	57	18	10	11	36	8	0.05	−1.09	0.05	0.5	1	14	11	6	......	L. F. Hatch.
North Fork	do	6,500	......	......	......	......	......	......	......	......	8	0.61	......	0.37	5.0	4	8	12	11	w.	Roy C. Pratt.
Paradise Valley	Humboldt	4,500	4	35.8^{e}	......	66^{e}	27	5^{e}	11	50^{e}	8	0.08	......	0.08	0	1	6^{g}	1^{g}	17^{g}	nw.	F. C. Buckingham.
Potts	Nye	6,002	24	35.4	+11.1	56	27	3	†11	39	26	0.40	−0.06	0.40	5.0	1	21	9	1	n.	Miss Irene Potts.
Tecoma	Elko	4,812	39	34.2	+9.0	67	1	8	6	50	41	0.10	−0.45	0.10	1.0	1	7	18	6	w.	Southern Pacific Co.
Winnemucca	Humboldt	4,344	40	37.2	+6.5	65	19	6	11	46	48	0.05	−0.94	0.05	T.	1	11	5	15	sw.	U. S. Weather Bureau.
Truckee Basin.																					
Franktown §	Washoe	5,054	2	......	......	......	......	......	......	......	2	......	......	......	......	......	......	......	......	......	Agent V. & T. Ry.
Marlette Lake**	do	7,900	2	30.9^{a}	......	49^{a}	19	16^{a}	11	30^{b}	4	1.82	......	1.10	11.5	6	17^{a}	5^{a}	8^{a}	nw.	V. & G. H. Water Co.
Reno	do	4,532	30	41.2	+7.5	67	19	20	12	40	30	0.27	−1.40	0.32	T.	2	17	9	5	w.	U. S. Weather Bureau.
Bijou, Cal.		6,230	2	31.2	......	59	19	8	†11	44	8	1.44	......	1.03	2.0	3	15	8	8	n.	Chas. Young.
McKinney, Cal.**		6,225	......	......	......	......	......	......	......	......	8	2.44	......	1.65	6.5	8	21	3	7	w.	Henry Soll.
Tahoe, Cal.		6,230	9	34.4	......	53	†10	19	†6	31	9	3.38	......	2.18	5.0	6	16	5	10	w.	Mrs. Emma C. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	23	38.0	+6.0	69	19	10	11	50	23	T.	−0.58	T.	0	0	21	7	3	s.	U.S. Experiment Station.
Gardnerville	Douglas	4,830	26	40.8^{e}	+8.6	67^{e}	18	13^{e}	8	47^{e}	27	0.22	−1.83	0.12	0	2	23^{d}	3^{d}	1^{d}	sw.	Forest Service.
Lahontan **	Churchill	4,200	5	42.8^{e}	......	68^{e}	19	18^{e}	8	36^{e}	7	T.	......	T.	0	0	20^{e}	3^{e}	3^{e}	w.	U.S. Reclamat'n Service.
Markleeville, Cal.		5,525	......	......	......	......	......	......	......	......	8	0.42	......	0.26	0	2	21	3	7	n.	Mrs. Mary Thornburg.
Woodfords, Cal. **		5,634	......	......	......	......	......	......	......	......	8	0.95	......	0.60	0	2	21	5	5	sw.	Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	10	......	......	......	......	......	......	......	21	0.00	−0.42	0.00	0	0	13	0	18	......	Southern Pacific Co.
Smith	Lyon	4,800	......	......	......	......	......	......	......	......	9	T.	......	T.	0	0	19	11	1	n.	C. M. Carter.
Thorne §	Mineral	4,200	4	40.4	+4.4	70	8	14	†23	51	4	T.	−0.40	T.	0	0	20	8	3	w.	Southern Pacific Co.
Yerington §	Lyon	4,375	8	38.3	+6.6	68	19	9	9	51	8	T.	−0.48	T.	0	0	19	7	5	nw.	S. L. Netherton.
Bridgeport, Cal.		6,500	4	33.0	......	52	20	25	27	44	6	0.01	......	0.01	0.1	1	18	0	13	n.	Robert Crawford.
Shields Ranch, Cal. **		5,300	......	......	......	......	......	......	......	......	8	0.20	......	0.20	0	1	16	5	10	......	Bruce H. Chichester.
Colorado Basin.																					
Indian Springs §**	Clark	3,136	4	46.1	......	71	†19	20	9	45	4	0.09	......	0.09	0	1	....	......	......	w.	Ira MacFarland.
Las Vegas	do	2,033	15	49.8	+8.8	79	28	24	12	49	15	T.	−0.35	T.	0	0	26	1	4	se.	C. P. Squires.
Logandale §	do	1,355	10	47.6	+4.5	74	28	24	9	43	18	T.	−0.46	T.	0	0	23	2	6	......	Bert Mills.
Mt. Charleston **	do	9,000	......	......	......	......	......	......	......	......	2	......	......	......	......	......	......	......	......	......	E. W. Griffith.
Pioche	Lincoln	6,100	19	41.2	+9.7	66	26	19	4	32	19	T.	−1.76	T.	T.	0	28	0	3	s.	L. H. Beason.
Minor Basins.																					
Beatty	Nye	3,309	1	48.4	......	75	†19	24	4	42	1	0.00	......	0.00	0	0	21	5	5	n.	E. E. Palmer.
Duck Flat **	Washoe	4,725	......	......	......	......	......	......	......	......	3	......	......	......	......	......	......	......	......	......	C. T. Smith.
Francis (near)	do	5,350	......	......	......	......	......	......	......	......	3	0.47	......	0.30	0	3	26	2	3	sw.	Geo. W. Barnard.
Gerlach	do	3,931	5	36.4	......	61	28	9	†10	43	5	0.00	......	0.00	0	0	11	0	20	sw.	Western Pacific Co.
Goldfield	Esmeralda	5,700	10	39.4	+8.5	62	19	17	7	38	12	0.00	−0.55	0.00	0	0	22	2	7	nw.	R. W. Robinson.
Jungo	Humboldt	4,165	......	......	......	......	......	......	......	......	4	0.00	......	0.00	0	0	......	......	......	......	Western Pacific Co.
McDermitt	do	4,700	6	37.9	+6.1	60	19	14	8	31	30	0.18	−1.14	0.11	T.	2	16	12	3	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	7	39.8	+12.4	66	29	18	†3	39	7	T.	−1.11	T.	T.	0	18	9	4	n.	R. E. Middagh.
Millett	Nye	5,040	9	32.8	......	62	19	3	8	54	10	0.00	......	0.00	0	0	19^{a}	3^{a}	8^{a}	......	Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	5	36.2	+8.9	60	18	11	8	41	5	0.00	−0.53	0.00	0	0	23	8	0	......	Arthur L. Stewart.
Pahrump	Nye	2,608	4	......	......	......	......	......	......	......	4	......	......	......	......	......	......	......	......	......	F. M. Buol.
Quinn Riv. Ranch **	Humboldt	4,850	15	32.9	+4.0	60	28	−1	11	48	16	0.06	−0.79	0.04	0	2	13	7	11	s.	F. M. Payne.
Rebel Creek	do	4,300	5	40.2	......	65	19	15	†7	36	6	0.10	......	0.07	0	2	12	12	7	sw.	Fred Whitaker.
Sand Pass **	Washoe	4,198	4	39.6	......	64	19	15	8	40	4	0.22	......	0.19	0	2	21	3	7	s.	R. R. Mott.
Searchlight	Clark	3,445	4	53.2	......	71	20	32	7	25	4	0.00	......	0.00	0	0	23	3	5	n.	C. L. Aug. Mahn.
Sharp	Nye	6,200	4	......	......	......	......	......	......	......	4	......	......	......	......	......	......	......	......	......	F. A. Sears.
Sulphur	Humboldt	4,044	4	33.2	......	65	20	8	†12	53	4	0.00	......	0.00	0	0	16^{c}	7^{c}	5^{c}	sw.	Western Pacific Co.
Tonopah	Nye	6,090	12	40.6	......	58	19	19	17	24	12	0.00	......	0.00	0	0	20	6	5	w.	U. S. Weather Bureau.
Vya	Washoe	5,500	......	......	......	......	......	......	......	......	4	0.23	......	0.18	1.0	2	28	2	1	sw.	L. A. Mariette.
For the State				39.0	+7.7	79	28	−1	11	54	....	0.14	−0.78	1.10	0.8	1	18	7	6	sw.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Mahoney Ranger Station, Jarbridge; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of McKinney, Hellman's, Lake Tahoe, Cal.; of Lahontan, Hazen; of Woodfords, Cal., Sheridan, Nev.; of Shields Ranch, Coleville, Cal.; of Mt. Charleston, Las Vegas; of Duck Flat, Sunkist; of Oasis Ranch, Oasis, Cal.; of Quinn River Ranch, Amos; of Sand Pass, Sheepshead.

Reference letters, a, b, c, appearing in the table indicate number of days missing, for example, b represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for December, 1917.

Stations.	Day of month																															Total.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia Basin.																																
Gold Creek (near)													.25												.15							0.40
Mahoney Ranger Station ‖																																
Owyhee					T.	.04							.19				.07						.11	.04	.06	.07	.02					0.60
San Jacinto					T.	.20							.13										T									0.33
Humboldt Basin.																																
Arthur																																
Austin																										T						T
Battle Mountain																																
Beowawe						.02																										0.02
Clover Valley																																
Elko						T.																										T
Eureka		.30																								T.						0.30
Golconda						T.																										T
Hylton		.12											T.																			0.12
Imlay																								T								T
Lamoille ‖													.05																			0.05
Lovelock																										.01						0.01
Metropolis ‖						.05																										0.05
North Fork		.37					.14				.08																.02					0.61
Paradise Valley	T.					T.						T.				T.									T.		.08					0.08
Potts		.40																														0.40
Tecoma						.10																										0.10
Winnemucca***	T.					T.							T.			T.									T.	T.	.05					0.05
Truckee Basin.																																
Franktown																																
Marlette Lake ‖	1.10	.14															.03							.04		.49	.02					1.82
Reno ***	.12	T.														T.									.15	T.						0.27
Bijou, Cal	1.03															T.									.18	.23						1.44
McKinney, Cal	1.59	.06														.01	.08						.02		.07	.57	.04					2.44
Tahoe, Cal. ‖	2.18	.11	T.													T.	.15							.01	T.	.69	.24					3.38
Carson Basin.																																
Fallon ‖																										T.						T
Gardnerville	.10																								.12							0.22
Lahontan																									T.							T
Markleeville, Cal	.16																								.26							0.42
Woodfords, Cal		.60																								.35						0.95
Walker Basin.																																
Mina																																0.00
Smith																											T.					T.
Thorne	T.																															T.
Yerington																									T.							T.
Bridgeport, Cal																										.01						0.01
Shields Ranch, Cal																										.20						0.20
Colorado Basin.																																
Indian Springs ‖	.09																															0.09
Las Vegas		T.																														T.
Logandale	T.																															T
Mt. Charleston																																
Pioche		T.																														T.
Minor Basins.																																
Beatty																																0.00
Duck Flat																																
Francis (near)	.30																.02									.15						0.47
Gerlach																																0.00
Goldfield																																0.00
Jungo																																0.00
McDermitt						T.											.11							.07								0.18
McGill		T.																														T.
Millett																																0.00
Oasis Ranch																																0.00
Pahrump																																
Quinn River Ranch																	T.							.02	T.	.04	T.					0.06
Rebel Creek																	.03										.07					0.10
Sand Pass	.19																							T.		.03	T.					0.22
Searchlight																																0.00
Sharp																																
Sulphur																																0.00
Tonopah***																																0.00
Vya ‖																									.05	.18						0.23

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

Daily evaporation (inches) and wind movement (miles) for December, 1917.

(See temperature and precipitation data in climatological tables, pages 92 to 94.)

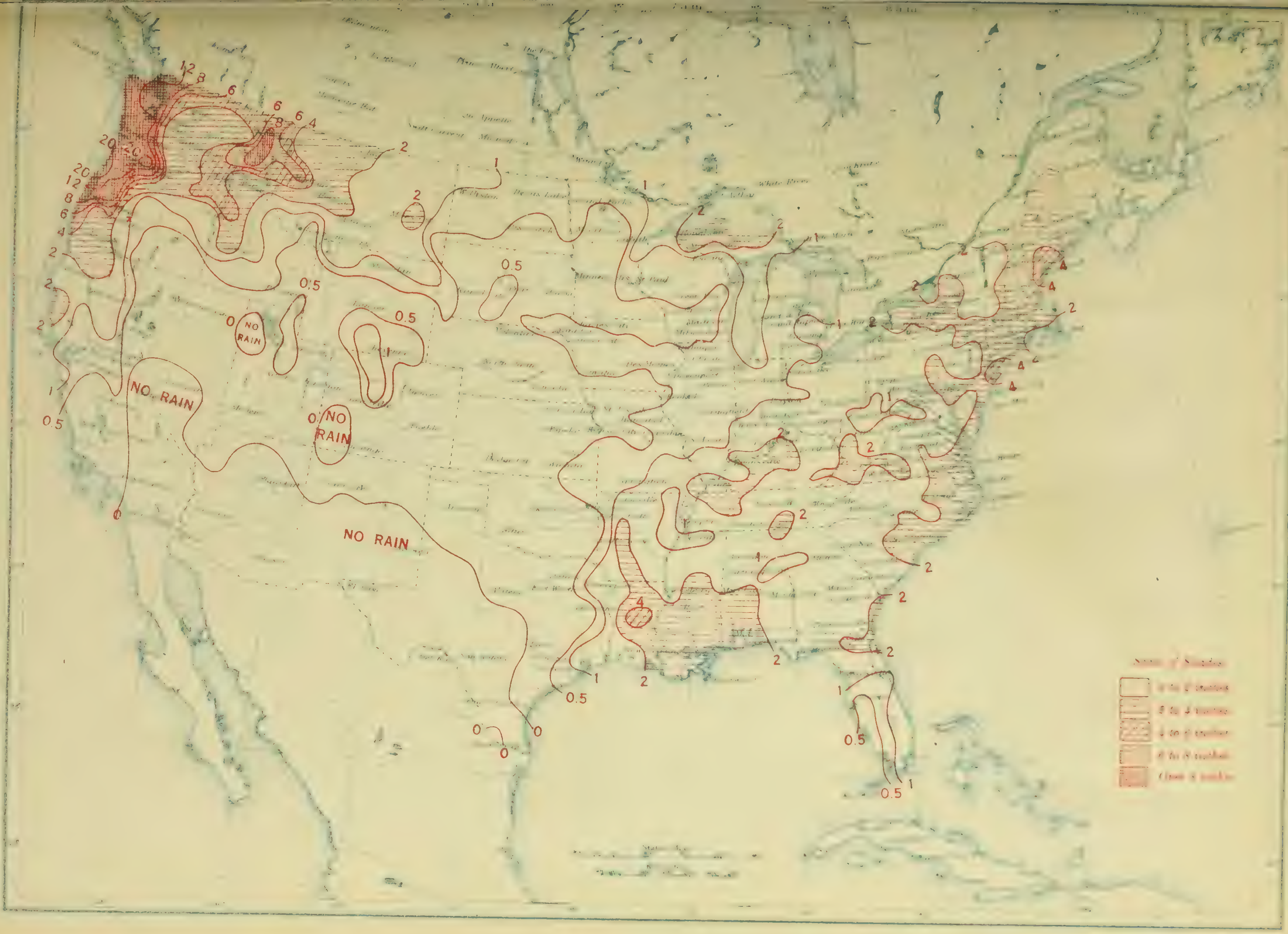
Stations.	Data.	Day of month.																														Monthly.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ndian Springs*	Evaporation	.000	.041	.051	.062	.056	.048	.025	.032	.078	.099	.095	.063	.065	.079	.104	.012	.013	.154														1.077
	Wind movement	21	17	23	20	15	16	70	31	9	61	43	24	25	24	100	0	1	17	8	12	12	9	13	22	15	14	9	13	23	18	16	701
amoille*	Evaporation																																
	Wind movement																																
arlette Lake.*	Evaporation																																
	Wind movement																																
ahoe, Cal.**	Evaporation			.015	.045	.050	.135	.135	.045	.085	.050	.025	.045	.070	.055	.060	.055	.060	.040	.055	.025	.015	.085	.045	.045	.030	.010	.000	.050	.045	.035	.035	1.544
	Wind movement	85	72	93	56	52	55	56	85	87	68	73	33	57	35	38	55	43	62	85	44	38	44	50	51	45	64	80	37	34	28	27	1.732

* Observations taken at 7 a. m.; ** at 8 a. m. ‡ Included in next following entry.

Daily temperatures for December, 1917.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek (near)	Maximum	....	....	....	....	....	....	....	....	....	20	9	10	24	24	14	29	30	28	24	29	20	33	32	20	11	32	30	32	30	33	23	24.4
	Minimum	....	....	....	....	....	....	....	....	....																							
Owyhee	Maximum	44	37	44	43	41	36	....	....	....	49	41	....	....	....	....	52	48	58	60	50	55	52	45	42	44	54	54	56	64	60	61	49.6
	Minimum	31	17	20	29	27	26	....	....	....	8	11	....	....	....	....	37	37	42	38	31	38	37	36	35	27	39	38	37	41	31	37	31.2
San Jacinto	Maximum	54	34	39	47	40	36	33	39	43	39	39	39	41	39	40	53	53	57	61	49	55	56	45	42	43	53	56	56	61	60	59	47.1
	Minimum	33	8	4	12	22	23	20	20	26	25	15	35	32	35	23	30	28	36	25	33	11	25	33	22	13	36	35	36	24	13	18	21.2
Humboldt Basin.																																	
Austin	Maximum	52	42	42	46	45	40	35	44	47	45	....	46	45	50	52	53	52	61	....	54	57	....	53	50	47	53	52	55	62	61	58	50.0
	Minimum	36	20	21	25	20	23	13	15	22	18	....	20	24	26	20	26	30	31	....	29	30	....	29	30	31	26	32	30	35	34	28	25.9
Battle Mountain	Maximum	59	43	50	52	51	50	46	49	54	52	45	56	57	53	54	58	59	59	60	60	58	60	60	58	60	59	61	62	61	60	59	55.6
	Minimum	43	15	14	22	20	21	13	12	13	11	12	22	34	31	12	22	46	28	21	28	15	17	15	13	15	13	17	12	10	11	10	19.0
Elko	Maximum	58	48	45	47	45	40	35	40	45	49	42	45	52	52	52	55	52	60	62	56	56	51	50	51	52	53	56	56	60	62	60	51.2
	Minimum	40	15	11	14	19	23	14	13	18	13	6	23	30	25	14	19	23	23	17	24	13	13	20	24	11	25	31	24	18	13	12	19.0
Eureka	Maximum	54	42	41	49	48	43	36	45	54	51	48	49	50	53	53	58	53	62	63	57	60	56	46	46	47	49	56	57	63	62	61	52.0
	Minimum	36	20	12	21	18	23	17	11	17	20	14	20	20	26	20	28	28	27	28	29	25	25	31	27	27	31	29	27	28	29	25	23.8
Imlay	Maximum	51	55	50	52	53	55	52	55	51	50	50	52	50	52	55	56	51	59	60	65	64	55	58	65	60	62	61	60	61	60	54	55.9
	Minimum	29	20	15	15	17	16	15	10	12	8	10	12	15	20	25	28	30	33	32	25	22	28	25	20	21	25	25	26	20	15	16	20.3
Lamoille	Maximum	57	55	52	45	42	40	35	45	42	49	59	59	49	50	50	50	51	70	70	57	58	55	64	64	51	50	49	55	56	56	57	53.0
	Minimum	24	20	24	20	20	29	12	13	13	14	13	13	30	30	27	37	27	27	34	34	32	28	28	28	25	25	25	31	31	31	31	25.0
Metropolis	Maximum	50	47	40	43	39	37	30	35	46	40	40	45	44	48	50	51	49	57	55	52	54	48	46	46	42	49	50	53	55	54	53	46.7
	Minimum	18	16	13	14	27	22	14	18	20	28	10	30	30	31	21	30	31	24	25	27	20	28	30	29	20	22	27	33	22	20	17	23.1
Paradise Valley	Maximum	51	54	50	49	45	45	46	45	52	48	42	56	54	58	56	53	57	54	49	....	....	....	....	....	59	65	66	60	61	59	62	53.7
	Minimum	12	18	8	29	17	29	9	10	9	9	5	22	20	28	6	22	20	18	10	....	....	....	....	....	33	31	34	19	17	15	16	17.9
Potts	Maximum	48	46	49	50	54	54	51	49	46	40	39	42	41	45	45	48	44	50	51	50	53	54	50	55	50	54	56	54	53	50	51	49.1
	Minimum	20	20	22	26	29	28	25	20	16	16	3	3	5	13	20	22	24	26	26	23	26	28	27	27	25	23	23	26	26	27	28	21.7
Tecoma	Maximum	67	65	64	60	62	52	48	47	48	46	40	46	48	52	48	47	48	52	50	59	57	58	60	57	56	54	57	55	58	57	58	54.1
	Minimum	28	18	19	10	12	8	10	11	14	12	10	12	9	18	14	12	14	23	21	18	17	18	12	13	10	14	13	15	13	12	14	14.3
Winnemucca	Maximum	54	40	42	52	48	43	42	47	53	48	46	52	54	54	54	54	55	61	65	57	60	58	50	55	46	51	58	61	60	58	55	52.7
	Minimum	22	15	15	14	16	24	9	9	14	16	6	24	33	28	18	30	36	28	19	22	16	18	32	26	26	35	38	28	22	17	17	21.7
Truckee Basin.																																	
Marlette Lake	Maximum	27	30	....	37	38	37	34	43	43	42	39	35	41	36	40	36	41	48	49	44	47	41	34	37	36	36	42	46	46	45	49	40.0
	Minimum	25	20	20	....	19	19	19	21	19	19	16	17	19	20	18	18	30	23	23	24	18	18	28	29	27	32	31	23	22	19	19	21.8
Reno	Maximum	48	44	48	56	48	53	45	50	56	54	49	53	59	56	54	55	62	64	67	60	58	49	52	53	51	56	61	61	62	62	61	55.1
	Minimum	30	30	27	27	23	22	20	20	20	22	20	20	23	28	23	38	34	29	27	32	24	23	32	32	31	43	37	30	27	24	25	27.2
Tahoe, Cal.	Maximum	32	36	44	45	46	45	43	46	47	53	48	47	49	48	48	42	49	50	49	53	46	45	42	46	42	41	49	46	38	37	42	45.0
	Minimum	29	24	21	21	20	19	19	19	20	22	19	19	22	23	21	23	29	27	27	27	20	24	20	31	28	33	32	27	27	21	26	23.9
Carson Basin.																																	
Fallon §§	Maximum	58	44	47	55	49	55	44	49	51	56	50	55	57	58	56	58	61	64	69	61	56	51	55	57	49	60	62	62	60	57	56	55.5
	Minimum	43	20	18	20	15	17	11	12	11	15	10	16	17	22	16	22	27	24	19	25	18	15	26	35	24	31	33	22	20	16	18	20.6
Gardnerville	Maximum	62	62	61	62	59	54	57	56	....	61	58	58	57	58	58	....	62	67	65	64	63	63	....	63	....	62	62	62	62	....	56	60.5
	Minimum	38	27	21	21	18	21	14	13	....	15	15	14	16	22	16	....	28	23	23	25	18	16	....	26	....	27	33	22	20	....	16	21.1
Lahontan	Maximum	....	....	....	....	....	54	46	50	56	57	54	55	60	59	58	59	61	64	68	62	58	48	52	54	47	64	63	62	61	62	60	57.5
	Minimum	....	....	....	....	....	24	20	18	20	22	20	26	31	32	26	24	31	33	33	35	29	25	33	33	30	30	39	34	29	27	28	28.2
Walker Basin.																																	
Mina	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Yerington	Maximum	59	52	51	52	53	51	48	53	55	60	55	57	58	53	57	59	62	64	68	65	61	52	46	56	47	67	65	64	63	62	60	57.3
	Minimum	42	22	17	19	19	11	12	10	9	14	11	16	13	17	11	16	24	20	17	23	16	12	25	31	23	40	38	20	18	16	15	19.3
Bridgeport, Cal.	Maximum	50	45	50	48	55	61	58	60	55	50	56	50	49	55	48	51	45	50	52	51	46	45	52	50	55	48	50	54	52	50	60	51.6
	Minimum	10	30	10	18	24	17	19	20	18	21	19	10	6	16	14	10	11	10	12	13	18	10	8	10	16	14	10	12	10	11	20	14.4
Colorado Basin.																																	
Indian Springs	Maximum	57	60	62	65	62	64	62	61	62	63	60	62	64	65	64	65	70	69	71	68	67	65	67	69	67	70	71	68	68	69	67	65.3
	Minimum	32	28	23	26	24	23	25	22	20	26	23	23	23	28	26	27	25	30	31	29	30	30	28	27	28	30	31	29	28	30	29	26.9
Las Vegas	Maximum	72	70	62	68	70	72	63	67	65	64	65	67	67	67	67	68	69	70	76	74	75	68	65	62	64	69	71	79	76	75	78	69.2
	Minimum	37	34	31	30	30	29	30	26	27	27	26	24	27	27	27	27	28	28	27	33	31	30	32	32	30	36	36	32	39	33	33	30.3
Logandale	Maximum	67	56	62	62	60	61	61	60	57	60	59	62	63	63	64	64	71	72	67	72	67	61	63	63	67	69	72	74	70	73	72	65.0
	Minimum	32	39	34	28	28	26	34	25	24	25	25	26	26	28	27	28	28	30	32	31	28	30	34	34	38	32	32	34	33	33	32	30.2
Pioche	Maximum	51	48	40	43	45	45	48	48	52	56	54	54	50	55	50	49	52	55	59	59	60	60	65	60	65	66	59	58	55	55	61	54.1
	Minimum	32	27	23	19	21	21	21	22	22	24	22	23	22	27	25	25	26	31	33	32	34	35	36	29	33	34	34	33	34	36	38	28.2
Minor Basins.																																	
Beatty	Maximum	65	69	56	62	64	67	62	61	68	61	69	62	66	68	66	65	71	73	75	75	71	68	56	61	57	58	69	71	72	70	73	66.2
	Minimum	30	31	32	24	32	26	25	29	29	26	27	30	28	28	29	26	30	40	36	35	33	30	32	32	29	29	31	36	35	32	33	30.5
Gerlach	Maximum	56	58	45	50	48	50	52	45	50	52	50	48	55	57	56	58	59	59	59	59	54	56	55	57	56	57	58	61	57	55	55	54.4
	Minimum	19	20	15	15	13	12	10	12	12	9	9	9	20	18	21	28	32	28	20	24	16	17	30	17	16	17	40	27	17	14	16	18.5
Goldfield	Maximum	52	45	47	52	50	54	43	47	59	55	52	49	55	55	55	53	56	60	62	58	58	54	47	45	43	52	55	58	59	57	58	53.1
	Minimum	36	28	24	22	25	23	17	20	21	24	24	21	20	25	23	26	28	30	28	29	29	26	31	30	28	29	26	27	28	27	26	25.8
McDermitt	Maximum	55	40	44	40	42	40	39	45	50	41	42	48	47	50	47	49	48	57	60	55	55	48	45	46	43	52	55	58	58	57	55	48.7
	Minimum	34	18	19	19	20	25	15	14	22	25	15	32	34	26	24	31	34	33	30	26	27	29	32	34	28	35	39	33	30	28	29	27.1
McGill	Maximum	52	47	43	49	46	45	38	46	54	51	49	49	51	55	54	55	54	62	65	57	61	57	48	51	51	52	52	55	66	62	58	52.7
	Minimum	38	25	18	21	22	26	19	19	18	34	19	27	28	31	20	30	34	30	35	32	26	26	37	27	23	33	30	26	27	28	22	26.8
Millett	Maximum	59	49	40	52	49	52	42	49	52	55	49	50	52	56	50	58	58	54	62	58	52	48	50	48	42	52	55	56	55	56	55	52.1
	Minimum	25	19	7	9	8	17	15	3	4	14	5	7	6	12	6	15	29	17	8	35	10	5	20	26	14	36	12	11	9	7	8	13.5
Oasis Ranch	Maximum	56	47	48	50	50	55	48	52	57	55	42	51	52	50	52	50	54	60	57	58	54	44	45	46	51	50	55	56	54	52	55	51.8
	Minimum	31	26	25	20	18	17	27	11	17	16	12	14	15	17	18	25	20	23	20	20	18	19	23	30	27	28	23	21	20	16	18	20.5
Rebel Creek	Maximum	49	50	44	45	45	41	40	42	53	45	44	51	51	50	52	50	51	60	65	56	58	57	51	53	47	53	52	58	60	58	60	51.3
	Minimum	34	16	24	20	24	27	15	20	22	27	15	30	40	40	24	39	39	33	29	34	32	26	37	35	26	34	42	31	30	35	26	29.2
Sand Pass	Maximum	61	53	44	50	46	51	43	44	50	53	48	51	53	56	50	57	58	60	64	61	55	49	57	54	47	55	63	59	56	55	54	53.5
	Minimum	39	22	22	21	22	23	19	15	19	17	20	20	23	27	20	31	31	31	24	31	22	22	34	39	34	40	40	30	24	19	20	25.8
Searchlight	Maximum	59	60	58	57	61	64	55	54	62	61	62	58	64	64	63	64	62	66	69	71	67	69	62	58	63	68	64	65	66	69	66	62.9
	Minimum	45	40	40	39	40	41	32	36	37	40	40	39	42	40	42	44	43	47	55	47	51	45	43	47	42	45	43	49	54	49	55	43.6
Sharp	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Sulphur	Maximum	51	56	58	47	48	47	48	47	47	47	47	51	57	60	58	56	55	58	53	65	53	55	54	53	51	60	59	62	60	52	54	53.8
	Minimum	12	16	13	13	13	13	13	11	12	12	10	8	9	10	8	9	8	10	11	12	13	13	14	13	12	14	16	20	18	16	17	12.5
Tonopah	Maximum	48	35	41	45	45	48	36	42	48	49	44	42	48	49	48	51	50	55	58	52	54	49	44	43	42	46	51	52	53	52	54	47.5
	Minimum	35	28	28	28	30	24	19	26	31	36	32	29	33	36	34	33	36	39	42	42	38	38	37	34	34	32	35	38	41	36	40	33.7

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


20
12
8
6
4
2
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1
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NO RAIN
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UNIVERSITY OF ILLINOIS
URBANA

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

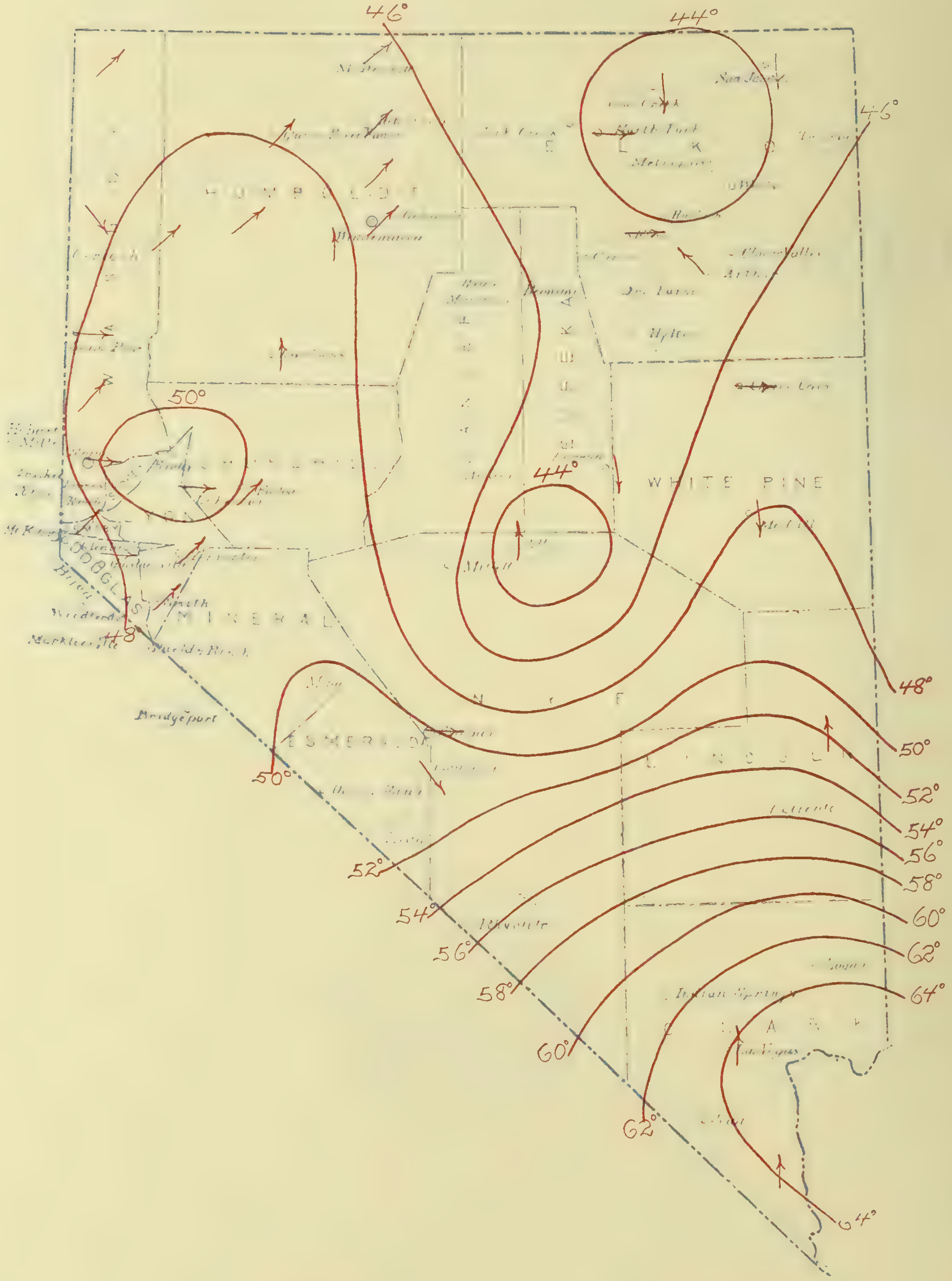
NEVADA SECTION

ANNUAL SUMMARY, 1917.

BY
HENRY F. ALPS
METEOROLOGIST

RENO, NEV.
WEATHER BUREAU OFFICE
FEBRUARY 2, 1918.

Mean annual temperature and prevailing direction of the wind, year 1917.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALPS, Meteorologist.

Vol. XXXII. Reno, Nevada, Year, 1917. No. 13.

GENERAL SUMMARY.

The year 1917 was one of the driest on record. The average precipitation for the State was only 6.72 inches. The average for 1910 was 5.53 inches, and this was the only year of record which was materially drier than the past year. The precipitation for every month except May and July was below normal. The deficiency for the first month was considerable, but it was only slightly less than normal during February. March was one-half inch short, while the precipitation for April was only 0.12 inch less than the average. May was the only month with heavy precipitation, the amount being 2.05 inches, or more than double the normal and more than double the amount for any other month in the year. June was a very dry month, and July was somewhat wetter than normal. The amounts for August, September, and November were slightly below normal, and October and December were exceedingly dry. The average annual snowfall was 29.8 inches, which is 75 per cent of the normal. The early run-off was slight, and there was generally a normal flow of water during the irrigation season, and in eastern streams the flow was above normal. The fall of snow in the mountains during the closing months of the year was one of the lightest ever recorded in the State.

The average temperature for the year was normal, but there was a great deficiency in temperature during the first six months and a great excess during the last six months. The initial month was the coldest January on record, and the last month was the warmest December on record. The unusually long period of cold weather in January caused some damage and suffering in cities by the freezing of water mains. Some losses to stock were caused by the cold weather. Sheep suffered at the close of the year on the desert ranges because the water supply was insufficient due to the lack of snowfall, and many herds which usually winter in the desert were kept on ranches.

The highest annual mean temperature was 64.0° at Las Vegas, and the lowest 38.5° at Marlette Lake. The highest temperature was 111° at Logandale on July 12th, and the lowest was 38° below zero at Gerlach on January 15th.

The greatest annual precipitation was 18.46 inches at Marlette Lake, in the extreme southwest portion of Washoe County, and the least was 1.42 inches at Oasis Ranch, in Esmeralda County near the California-Nevada boundary line.

There was an average of 33 days with 0.01 inch or more of precipitation. The average number of clear days was 218; partly cloudy days, 73; and cloudy days, 74. The average sunshine at three stations equipped with sunshine recorders was 80 per cent of the possible amount.

The prevailing direction of the wind was from the southwest. The highest velocity at regular Weather Bureau stations was 57 miles per hour from the west at Reno on February 20th.

THE WEATHER BY MONTHS.

January.—It was the coldest January in the past 28 years. The deficiency in temperature was general, but much more pronounced in northern than in southern counties. An unusually long cold period began on the 8th and continued for about twelve days. There was generally a marked deficiency in precipitation, although the amounts were somewhat above normal in parts of Humboldt, Lander, Churchill, and Clark Counties. The average precipitation was 82 per cent less than that of January, 1916. The snowfall in Nevada was only about 70 per cent of the normal. The deficiency was less in the Humboldt Basin than elsewhere.

February.—The month was cold and windy. The precipitation averaged nearly normal, but it was light in some sections and heavy in others. Rain or snow fell daily within the State during the last two decades. The snowfall in the mountains was generally heavy.

March.—The temperature was abnormally low, the mean being about 12° lower than that for the corresponding month of 1916, and the lowest recorded in the last 20 years. The average precipitation for the State was slightly less than one-half of the normal. Moderately heavy snows fell in the mountains.

April.—Cold weather continued through April, which was the seventh consecutive month with the monthly mean temperature below normal. The precipitation averaged slightly less than normal. The monthly snowfall was near the usual amount, and the depth on the ground at the close of the month was somewhat greater than normal.

May.—Low temperatures continued, the monthly mean being 3.8° below normal. Some damage was done by killing frosts on the 16th. The precipitation was heavy in practically all sections of the State, and averaged more than double the normal. The snow line in the mountains was unusually low because of slow melting due to continued low temperature.

June.—The month was moderately warm and unusually dry. It was the first month since September, 1916, with a normal monthly mean temperature. There was practically no precipitation over the southern half of the State, but light to moderate showers fell in northern counties on the 9th and 10th. The warm weather was beneficial to all ranching interests.

July.—This was one of the warmest Julys in Nevada on record. The temperature reached 101° at Reno on the 11th and 13th, which is the highest ever known at that station. It was dry in the western half of the State and unusually wet in the eastern half. High temperatures caused rapid melting of the snow in the mountains, and streams carried more than the normal amount of water.

August.—The temperature averaged about normal, and the precipitation averaged 0.40 inch less than the usual amount for August. The weather was favorable for the agricultural interests.

September.—The month was warm and dry, with about the normal amount of sunshine and wind movement. Some damage was done by frost in northern valleys. The greatest rainfall occurred in eastern counties, and the driest areas were in the western half of the State.

October.—The month was characterized by high temperatures, extreme dryness, high atmospheric pressure, a high percentage of sunshine, and a low wind movement. It was the driest October on record, and there was no snowfall at reporting stations. Killing frosts were general from the 17th to the 19th, except in the extreme south portion, but they were not severe enough to damage the hardier crops which had not been harvested.

NOVEMBER.—The temperature was high and steady, the sunshine and wind movement were normal, and there was less than the usual amount of moisture. The precipitation was greatest in the eastern portion, where some stations received more than the normal amounts.

DECEMBER.—This was the warmest and one of the driest Decembers in the past 29 years. The mean monthly temperature was nearly 8° above the normal. Only one other December of record had such a low average precipitation, 0.14 inch, and that was in 1903. The greatest monthly amount of snowfall was 11.5 inches at Marlette Lake.

TEMPERATURE AND PRECIPITATION FOR NEVADA, 1917.

Month.	Temperature (deg. Fahrenheit). Mean.	Departure.	Highest.	Lowest.	Precipitation in inches. Average.	Departure.	Greatest local amount.	Average snowfall.	No. days .01 or more.	Sky. Clear.	Pt. Cloudy.	Cloudy.	Prevailing direction of the wind.
January	17.8	−12.0	68	−38	0.63	−0.67	1.76	7.2	3	19	5	7	n.
February	30.5	2.5	75	−34	1.01	−0.05	6.56	9.2	5	12	6	10	sw.
March	33.3	− 6.5	89	−14	0.47	−0.51	2.06	5.9	3	15	7	9	w.
April	43.9	− 3.1	95	− 6	0.74	−0.12	3.68	4.5	4	13	8	9	sw.
May	50.3	− 3.8	97	11	2.05	+1.34	5.79	1.2	8	11	9	11	nw.
June	63.9	− 0.2	110	20	0.13	−0.41	0.62	T.	1	26	3	1	sw.
July	74.5	+ 2.8	111	31	0.46	+0.16	2.15	0.0	2	21	7	3	sw.
August	70.6	0.0	108	32	0.35	−0.10	2.49	0.0	2	20	7	4	sw.
Septemb'r	62.1	+ 1.3	105	21	0.22	−0.14	1.51	T.	1	20	6	4	sw.
October	53.5	+ 3.4	101	1	T.	−0.57	0.07	0.0	0	27	3	1	sw.
Novemb'r	43.4	+ 3.4	86	1	0.52	−0.14	1.62	1.0	3	16	5	9	sw.
December	39.0	+ 7.7	79	− 7	0.14	−0.78	1.82	0.8	1	18	7	6	sw.
Annual	48.8	0.8	111	−38	6.72	−1.99	6.56	29.8	33	218	73	74	sw.

SUPPLEMENTAL TABLE, MONTHLY AND ANNUAL PRECIPITATION FOR THE YEAR 1917.

Stations.*	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	Annual.
Bijou	0.47	5.57	1.66	0.78	0.34	......	......	......	......	......	0.98	1.44	......
Bridgeport	T.	2.47	0.32	0.30	0.78	0.00	0.49	0.30	0.00	0.00	0.32	0.01	4.99
McKinney	1.05	12.08	4.32	3.15	0.77	0.00	1.61	0.01	0.08	0.06	1.53	2.44	27.10
Markleeville	0.25	4.51	1.83	0.89	0.99	0.00	0.70	0.16	0.04	0.13	1.82	0.42	11.74
Shields Ranch	0.26	3.17	0.75	0.87	1.23	0.00	1.21	0.06	T.	0.00	0.89	0.20	8.64
Tahoe	2.23	11.98	3.61	2.32	0.71	0.01	0.57	0.04	0.02	0.13	1.12	3.38	26.12
Woodfords	0.42	3.33	2.20	0.50	1.66	......	......	......	......	......	0.44	0.95	......

* Mountain snowfall stations in California, located in drainage basins of streams which flow into Nevada.

COMPARATIVE ANNUAL DATA FOR NEVADA.

Year.	Temperature. Mean.	Maximum.	Minimum.	Average precipitation.	Average snowfall.	No. rainy days.	No. clear days.	No. partly cloudy days.	No. cloudy days.	Prevailing wind direction.
1890	49.6	118	−39	12.88	62.0	46	200	88	77	s.
1891	48.3	101	−30	14.06	50.6	55	164	101	100	s.
1892	48.5	115	−25	10.54	47.2	43	173	99	94	w.
1893	48.3	110	−40	9.22	56.2	41	192	74	99	sw.
1894	48.8	108	−41	10.89	67.2	52	172	86	107	w.
1895	47.1	112	−35	7.90	49.8	36	181	94	90	sw.
1896	48.7	117	−26	10.61	27.2	43	162	101	103	w.
1897	48.5	116	−22	9.79	48.1	47	165	99	101	w.
1898	47.9	114	−28	6.49	25.6	32	199	87	79	w.
1899	48.6	110	−29	9.12	47.1	37	184	83	98	sw.
1900	49.6	113	12	8.25	33.0	48	176	96	93	sw.
1901	48.0	104	−27	13.20	39.7	52	187	92	86	sw.
1902	48.0	117	−32	7.25	44.7	37	197	89	79	sw.
1903	48.1	114	−32	7.06	31.8	29	219	77	69	sw.
1904	49.2	110	−23	10.62	26.6	45	186	87	93	sw.
1905	47.1	109	−37	8.32	36.5	38	194	87	84	sw.
1906	48.5	115	−22	15.87	54.0	53	172	96	97	s.
1907	49.4	113	−28	13.06	43.3	47	164	104	97	w.
1908	49.3	116	−20	6.34	22.7	33	189	98	79	w.
1909	49.1	116	−18	11.03	36.7	45	179	101	85	w.
1910	52.0	114	−28	5.53	24.4	30	202	87	76	w.
1911	47.7	113	28	7.84	29.3	41	196	93	76	w.
1912	47.9	113	−29	6.99	24.6	43	185	99	82	w.
1913	48.8	113	−38	10.99	26.5	49	181	96	88	w.
1914	50.5	122	−27	9.43	30.1	41	195	93	77	w.
1915	50.6	112	−28	7.97	34.0	40	194	88	83	w.
1916	48.4	113	−31	9.76	67.2	41	220	71	75	sw.
1917	48.8	111	−38	6.72	29.8	33	218	73	74	sw.
Means	48.8	122	−41	9.56	39.8	42	187	91	87	w.

MONTHLY EVAPORATION AND WIND MOVEMENT FOR 1917.

(See temperature and precipitation data in Climatological Tables, pages 100 to 105.)

Month.	Tahoe, Cal.** Evaporation.	Wind movement.	Marlette Lake, Nev.* Evaporation.	Wind movement.	Indian Springs Nev.* Evaporation.	Wind movement.
April	2.135	2,841	....	....	....	....
May	2.542	2,433	....	....	....	....
June	4.130	2,062	8.544	2,403	13.849	1,603
July	5.700	1,922	10.113	1,843	....	....
August	6.025	1,846	8.343	1,534	....	....
September	5.975	2,188	6.342	1,444	....	....
October	4.190	1,994	4.807	2,787	....	....
November	2.731	1,879	....	....	2.990	720
December	1.544	1,732	....	....	....	701

* Observations taken at 7 a. m.; **, 8 a. m.

Climatological data for the year, 1917.

Stations.	Counties.	Temperature (degrees Fahrenheit). Elevation, feet	Length of record, yrs.	Annual mean	Highest	Date	Lowest	Date	Precipitation, in inches. Length of record, yrs.	Total for the year	Greatest monthly	Month	Least monthly	Month	Total snowfall	Number of days. With .01 or more precipitation	Clear	Partly cloudy	Cloudy	Prevailing direction of wind
Columbia Basin.																				
Gold Creek	Elko	6,600	4		79	July 12	25	Feb. 1	1											n
Mahoney Ranger Station	do	6,200	2				16	Jan. 16	2											
Owyhee	do	5,100	6		96	July 12			6											
San Jacinto	do	5,200	12		95	July 8	34	Feb. 1	12	7.45	1.57	May	T.	June	37.0	40	186	78	101	n
Humboldt Basin.																				
Arthur	Elko	6,500	..	.....	.....	.....	.....	.....	7		3.84	May	0.00	Oct						
Austin	Lander	6,594	28	47.2	98	July 12	-12	Jan. 15†	28	12.12	4.30	May	0.00	June*	58.5	53	219	72	[illegible]	
Beowawe	Eureka	4,695	46	46.5	99	July 14	-32	Jan. 17	48	5.22	2.85	May	0.00	July*	9.2	27	180	94	91	
Clover Valley	Elko	6,000	16	44.8	95	July 9†	-18	Jan. 18	24	12.76	2.54	May	0.00	Oct.*	54.5	55	198	96	70	
Elko	do	5,063	46	.....	.....	.....	-30	Feb. 1	47	9.18	3.55	May	0.00	Oct.	30.0	32	191	46	128	w
[illegible]	Eureka	6,837	19	.....	.....	.....	-20	Jan. 16	21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	n
[illegible]							[illegible]	[illegible]	40	5.77	2.91	May	0.00	July*	18.0	21	138	198	29	.....
										12.61	4.36	May	0.00	Aug.*	15.0	37	268	59	38	
										3.90	2.15	May	0.00	Sep.*	8.0	15	206	26	133	
										15.46	5.79	May	0.00	Oct.	.....	54	.....	.....		se
										2.55	0.98	May	0.00	July*	14.5	20	256	34	75	s
										8.62	3.78	May	0.00	Oct.	22.5	29	193	86	72	
										8.91	3.31	May	0.00	Oct.	58.0	35	144	108	113	w.
										5.93	2.07	May	0.00	Oct.	31.6	55	185	76	92	sw
										4.79	1.35	Feb.	0.00	Oct.	57.0	39	141	98	126	s
										3.99	1.01	May	0.00	Aug.*	22.7	29	136	188	41	
										6.13	2.49	May	T.	Sep.*	19.8	58	189	77	99	sw.
										18.46	6.56	Feb.	0.00	June*	158.5	72	.....	.....	.....	sw.
										5.43	2.01	Feb.	T.	Sep.*	18.9	41	219	84	62	w.
										2.84	0.77	Feb.	0.00	June	13.2	34	262	39	64	sw
										5.16	1.54	Feb.	0.00	June*	8.0	27	.....	.....	.....	w.
										2.91	0.96	May	0.00	June*	12.8	23	223	76	60	w
										2.16	0.99	May	0.00	June*	8.5	6	.....	.....		.....
										7.41	1.91	Feb.	0.00	June*	19.0	29	182	97	85	sw.
										.....	.....	.....	.....	.....	10.3	.....	.....	.....	.....	sw
										4.33	1.54	July	0.00	June*	0.0	20	256	60	45	s.
										4.93	1.76	Jan.	0.00	June*	0.0	17	232	72	61	.....
										.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	s.
										.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	w.
										4.88	1.98	Feb.	0.00	July*	19.5	35	255	53	57	nw.
										.....	.....	.....	.....	.....	20.4	.....	.....	.....	.....	sw.
										2.49	1.20	May	0.00	July*	11.0	21	201	14	143	sw.
[illegible]										5.33	1.13	May	0.00	June*	6.0	34	260	48	57	nw.
McDermitt	Humboldt	4,700	6	46.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6.63	2.39	May	0.00	July*	41.5	44	.....	.....	.....	sw.
McGill	White Pine	6,338	7	48.7	99	July 12	-11	Jan. 17	7	8.67	3.22	May	0.00	Oct.	.....	40	208	86	71	n.
Millett	Nye	5,040	9	45.4	97	July 11	-19	Jan. 17	10	2.45	0.76	July	0.00	Mar.*	15.0	25	206	50	108	.....
Oasis Ranch	Esmeralda	5,106	5	50.4	102	July 3†	-12	Jan. 17	5	1.42	0.88	Apr.	0.00	June*	11.0	11	262	41	60	.....
Pahrump	Nye	2,608	4	.....	.....	.....	8	Jan. 18	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Quinn River Ranch	Humboldt	4,850	15	.....	104	July 11†	-34	Jan. 17	16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	sw.
Rebel Creek	do	4,300	5	48.4	99	July 12	-14	Jan. 14†	6	7.78	3.26	May	0.00	Oct.	25.5	51	.....	.....	.....	sw.
Rhyolite	Nye	3,680	4	.....	.....	.....	10	Jan. 16	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sand Pass	Washoe	4,198	4	.....	105	July 12	-27	Jan. 17	4	4.57	1.58	Feb.	0.00	Oct.	9.8	31	227	52	83	w.
Searchlight	Clark	3,445	4	63.4	106	June 17*	16	Jan. 17	4	6.32	2.49	Aug.	0.00	June*	3.5	31	248	65	52	s.
Sharp	Nye	6,200	4	.....	.....	.....	-11	Jan. 17	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sulphur	Humboldt	4,044	4	48.7	102	July 13*	-31	Jan. 17	4	2.64	1.50	May	0.00	Sep.*	11.5	14	198	105	59	sw.
Tonopah	Nye	6,090	12	50.0	96	July 12	-7	Jan. 16	12	4.21	1,22	Apr.	0.00	June*	21.0	32	223	104	38	w.
Vya	Washoe	5,500	.....	.....	.....	.....	.....	.....	4	8.87	2.20	Feb.	0.02	Oct.	46.2	43	287	29	49	sw.
For the State				48.8	111	July 12†	-38	Jan. 15	.....	6.72	6.56	Feb.	0.00	Mar.*	29.8	33	218	73	74	sw.

†Also on other dates. *Also in other months.

KILLING FROSTS.

Stations.	Last in spring.	First in autumn.	Stations.	Last in spring.	First in autumn.
Arthur	June 11	Oct. 16	McGill	June 1	Sept. 25
Austin	June 12	*Sept. 25	Marlette Lake	*June 13	*Sept. 23
Battle Mountain	*June 11	*Oct. 21	Metropolis	June 12	Sept. 14
Beowawe	*June 12	*Sept. 25	Millett	*June 13	*Sept. 10
Cherry Creek	June 11	.....	Mina	*May 18	*Oct. 11
Clover Valley	*June 13	Sept. 14	North Fork	June 10	Sept. 14
Duck Flat	June 11	Sept. 2	Oasis Ranch	*May 25	*Oct. 18
Elko	*June 11	*Sept. 14	Owyhee	June 12	.....
Eureka	June 12	Sept. 25	Pahrump	April 29	.....
Fallon	June 11	Sept. 25	Paradise Valley	June 13	Sept. 10
Francis	.....	Sept. 4	Pioche	*May 26	*Oct. 16
Gardnerville	*June 12	*Sept. 25	Potts	*June 13	*Sept. 13
Gerlach	*June 12	*Sept. 24	Quinn River Rch.	*June 13	*Sept. 14
Golconda	*June 11	Sept. 24	Rebel Creek	*June 12	Oct. 17
Gold Creek	*June 12	*Aug. 15	Reno	May 16	Oct. 19
Goldfield	*May 21	*Oct. 1	Sand Pass	*May 16	.....
Hylton	June 11	Sept. 25	San Jacinto	*July 1	*Sept. 9
Imlay	*June 12	*Sept. 25	Searchlight	Mar. 15	None,
Indian Springs	.....	*Oct. 19	Smith	June 13	.....
Lahontan	*May 16	*Oct. 17	Sulphur	*June 12	*Oct. 17
Lamoille	*June 13	*Oct. 17	Tecoma	*June 14	*Sept. 13
Las Vegas	*April 10	*Oct. 29	Tonopah	*May 18	*Oct. 18
Logandale	*April 18	*Nov. 13	Vya	.....	Sept. 5
Lovelock	May 17	*Sept. 25	Winnemucca	May 16	Oct. 17
McDermitt	June 12	Oct. 17			

* Indicates last day in spring or first day in autumn with temperature of 32° or lower, no killing frost being reported.

NOVEMBER.—The temperature was high and steady, the sunshine and wind movement were normal, and there was less than the usual amount of moisture. The precipitation was greatest in the eastern portion, where some stations received more than the normal amounts.

DECEMBER.—This was the warmest and one of the driest Decembers in the past 29 years. The mean monthly temperature was nearly 8° above the normal. Only one other December of record had such a low average precipitation, 0.14 inch, and that was in 1903. The greatest monthly amount of snowfall was 11.5 inches at Marlette Lake.

TEMPERATURE AND PRECIPITATION FOR NEVADA, 1917.

Month.	Temperature (deg. Fahrenheit).				Precipitation in inches.					Sky.
	Mean.	Departure.	Highest.	Lowest.	Average.	Departure.	Greatest local amount.	Average snowfall.	No. days .01 or more.	Clear.
January	17.8	−12.0	68	−38	0.63	−0.67	1.76	7.2	3	19
February	30.5	− 2.5	75	−34	1.01	−0.05	6.56	9.2	5	12
March	33.3	− 6.5	89	−14	0.47	−0.51	2.06	5.9	3	15
April	43.9	− 3.1	95	− 6	0.74	−0.12	3.68	4.5	4	13
May	50.3	− 3.8	97	11	2.05	+1.34	5.79	1.2	8	11
June	63.9	− 0.2	110	20	0.13	−0.41	0.62	T.	1	26
July	74.5	+ 2.8	111	31	0.46	+0.16	2.15	0.0	2	21
August	70.6	0.0	108	32	0.35	−0.10	2.49	0.0	2	20
Septemb'r	62.1	+ 1.3	105	21	0.22	−0.14	1.51	T.	1	20
October	53.5	+ 3.4	101	1	T.	−0.57	0.07	0.0	0	27
Novemb'r	43.4	+ 3.4	86	1	0.52	−0.14	1.62	1.0	3	16
December	39.0	+ 7.7	79	− 7	0.14	−0.78	1.82	0.8	1	18
Annual	48.8	− 0.8	111	−38	6.72	−1.99	6.56	29.8	33	218

SUPPLEMENTAL TABLE, MONTHLY AND ANNUAI TATION FOR THE YEAR 1917.

Stations.*	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.			
Bijou	0.47	5.57	1.66	0.78	0.34	.....	.....	.....	.....	.....			
Bridgeport	T.	2.47	0.32	0.30	0.78	0.00	0.49	0.30	0.00	0.00			
McKinney	1.05	12.08	4.32	3.15	0.77	0.00	1.61	0.01	0.08	0.06	1.53	2.44	27.10
Markleeville	0.25	4.51	1.83	0.89	0.99	0.00	0.70	0.16	0.04	0.13	1.82	0.42	11.74
Shields Ranch	0.26	3.17	0.75	0.87	1.23	0.00	1.21	0.06	T.	0.00	0.89	0.20	8.64
Tahoe	2.23	11.98	3.61	2.32	0.71	0.01	0.57	0.04	0.02	0.13	1.12	3.38	26.12
Woodfords	0.42	3.33	2.20	0.50	1.66	.....	.....	.....	.....	.....	0.44	0.95	.....

* Mountain snowfall stations in California, located in drainage basins of streams which flow into Nevada.

COMPARATIVE ANNUAL DATA FOR NEVADA.

Year.	Temperature.			Average precipitation.	Average snowfall.	No. rainy days.	No. clear days.	No. partly cloudy days.	No. cloudy days.	Prevailing wind direction.
	Mean.	Maximum.	Minimum.							
1890	49.6	118	−39	12.88	62.0	46	200	88	77	s.
1891	48.3	101	−30	14.06	50.6	55	164	101	100	s.
1892	48.5	115	−25	10.54	47.2	43	173	99	94	w.
1893	48.3	110	−40	9.22	56.2	41	192	74	99	sw.
1894	48.8	108	−41	10.89	67.2	52	172	86	107	w.
1895	47.1	112	−35	7.90	49.8	36	181	94	90	sw.
1896	48.7	117	−26	10.61	27.2	43	162	101	103	w.
1897	48.5	116	−22	9.79	48.1	47	165	99	101	w.
1898	47.9	114	−28	6.49	25.6	32	199	87	79	w.
1899	48.6	110	−29	9.12	47.1	37	184	83	98	sw.
1900	49.6	113	−12	8.25	33.0	48	176	96	93	sw.
1901	48.0	104	−27	13.20	39.7	52	187	92	86	sw.
1902	48.0	117	−32	7.25	44.7	37	197	89	79	sw.
1903	48.1	114	−32	7.06	31.8	29	219	77	69	sw

July	5.700	1,922	10.113	1,843	....	....
August	6.025	1,846	8.343	1,534	....	....
September	5.975	2,188	6.342	1,444	....	....
October	4.190	1,994	4.807	2,787	....	....
November	2.731	1,879	....	....	2.990	720
December	1.544	1,732	....	....	....	701

* Observations taken at 7 a. m.;**, 8 a. m.

Climatological data for the year, 1917.

Stations.	Counties.	Temperature (degrees Fahrenheit).								Precipitation, in inches.						Number of days.				
		Elevation, feet.	Length of record, yrs.	Annual mean.	Highest.	Date.	Lowest.	Date.	Length of record, yrs.	Total for the year.	Greatest monthly.	Month.	Least monthly.	Month.	Total snowfall.	With 0.01 in. or more precip.	Clear.	Partly cloudy.	Cloudy.	Prevailing wind direction.
Columbia Basin.																				
Gold Creek	Elko	6,600	4		79	July 12	25	Feb. 1	4											n.
Mahoney Ranger Station	do	6,200	2				16	Jan. 16	2											
Owyhee	do	5,100	6		96	July 12			6											
San Jacinto	do	5,200	12		95	July 8	34	Feb. 1	12	7.45	1.57	May	T.	June	37.0	40	186	78	101	n.
Humboldt Basin.																				
Arthur	Elko	6,500							7		3.84	May	0.00	Oct.						
Austin	Lander	6,594	28	47.2	98	July 12	-12	Jan. 15†	28	12.12	4.30	May	0.00	June*	58.5	53	219	72	68	
Beowawe	Eureka	4,695	46	46.5	99	July 14	-32	Jan. 17	48	5.22	2.85	May	0.00	July*	9.2	27	180	94	91	
Clover Valley	Elko	6,000	16	44.8	95	July 9†	-18	Jan. 18	24	12.76	2.54	May	0.00	Oct.*	54.5	55	198	96	70	
Elko	do	5,063	46				-30	Feb. 1	47	9.18	3.55	May	0.00	Oct.	30.0	32	191	46	128	w.
Eureka	Eureka	6,837	19				-20	Jan. 16	21											n.
Golconda	Humboldt	4,392	38	47.8	100	July 12	-18	Jan. 12†	40	5.77	2.91	May	0.00	July*	18.0	24	138	198	29	
Hylton	Elko	7,081							7	12.61	4.36	May	0.00	Aug.*	45.0	37	268	59	38	
Imlay	Humboldt	4,209	4	48.0	104	July 18	35	Jan. 17	4	3.90	2.15	May	0.00	Sep.*	8.0	15	206	26	133	
Lamoille	Elko	6,100	2	45.5	92	July 12†	-14	Jan. 16	2	15.46	5.79	May	0.00	Oct.		54				se.
Lovelock	Humboldt	3,977	23		104	July 11†	-30	Jan. 17	21	2.55	0.98	May	0.00	July*	14.5	20	256	34	75	s.
Metropolis	Elko	5,661	4	42.2	93	July 18†	-25	Jan. 17*	8	8.62	3.78	May	0.00	Oct.	22.5	29	193	86	72	
North Fork	do	6,500							8	8.91	3.31	May	0.00	Oct.	58.0	35	144	108	113	w.
Paradise Valley	Humboldt	4,500	4	43.5	96	July 12	-30	Jan. 17	8	5.93	2.07	May	0.00	Oct.	31.6	55	185	76	92	sw.
Potts	Nye	6,002	24	42.2	98	July 14†	-25	Jan. 16	26	4.79	1.35	Feb.	0.00	Oct.	57.0	39	141	98	126	s.
Tecoma	Elko	4,812	39	46.0	105	July 9	-22	Jan. 15	41	3.99	1.01	May	0.00	Aug.*	22.7	29	136	188	41	
Winnemucca	Humboldt	4,344	40	47.5	102	July 12	-22	Jan. 17	18	6.13	2.49	May	T.	Sep.*	19.8	58	189	77	99	sw.
Truckee Basin.																				
Marlette Lake	Washoe	7,900	2	38.5	84	July 12†	-12	Mar. 15	4	18.46	6.56	Feb.	0.00	June*	158.5	72				sw.
Reno	do	4,532	30	50.2	101	July 11	-5	Jan. 17	30	5.43	2.01	Feb.	T.	Sep.*	18.9	41	219	84	62	w.
Carson Basin.																				
Fallon	Churchill	3,965	23	49.5	105	July 12	-25	Jan. 16†	23	2.84	0.77	Feb.	0.00	June	13.2	34	262	39	64	sw.
Gardnerville	Douglas	4,850	26	47.4	92	July 11†	-15	Jan. 17	27	5.16	1.54	Feb.	0.00	June*	8.0	27				w.
Lahontan	Churchill	4,200	5	52.7	101	July 12	17	Jan. 17	7	2.91	0.96	May	0.00	June*	12.8	23	223	76	60	w.
Walker Basin.																				
Mina	Mineral	4,350	10		106	July 12	-16	Jan. 17	21	2.16	0.99	May	0.00	June*	8.5	6				
Smith	Lyon	4,800							9	7.41	1.91	Feb.	0.00	June*	19.0	29	182	97	85	sw.
Yerington	do	4,375	8				-14	Jan. 16	8						10.3					sw.
Colorado Basin.																				
Las Vegas	Clark	2,033	15	64.0	110	June 16*	16	Jan. 15	15	4.33	1.54	July	0.00	June*	0.0	20	256	60	45	s.
Logandale	do	1,355	10	63.8	111	July 12†	18	Jan. 14†	18	4.93	1.76	Jan.	0.00	June*	0.0	17	232	72	61	
Pioche	Lincoln	6,100	19		96	July 12†			19											s.
Minor Basins.																				
Cherry Creek	White Pine	6,450	9				-27	Jan. 18	9											w.
Duck Flat	Washoe	4,725							3	4.88	1.98	Feb.	0.00	July*	19.5	35	255	53	57	nw.
Francis (near)	do	5,350							3						20.4					sw.
Gerlach	do	3,931	5	48.1	105	July 12	-38	Jan. 15	5	2.49	1.20	May	0.00	July*	11.0	21	201	14	143	sw.
Goldfield	Esmeralda	5,700	10	51.2	102	July 14	-10	Jan. 16†	12	5.33	1.13	May	0.00	June*	6.0	34	260	48	57	nw.
McDermitt	Humboldt	4,700	6	46.4	96	July 12*	-16	Jan. 18	30	6.63	2.39	May	0.00	July*	41.5	44				sw.
McGill	White Pine	6,338	7	48.7	99	July 12	-11	Jan. 17	7	8.67	3.22	May	0.00	Oct.		40	208	86	71	n.
Millett	Nye	5,040	9	45.4	97	July 11	-19	Jan. 17	10	2.45	0.76	July	0.00	Mar.*	15.0	25	206	50	108	
Oasis Ranch	Esmeralda	5,106	5	50.4	102	July 3†	-12	Jan. 17	5	1.42	0.88	Apr.	0.00	June*	11.0	11	262	41	60	
Pahrump	Nye	2,608	4				8	Jan. 18	4											
Quinn River Ranch	Humboldt	4,850	15		104	July 11†	-34	Jan. 17	16											sw.
Rebel Creek	do	4,300	5	48.4	99	July 12	-14	Jan. 14†	6	7.78	3.26	May	0.00	Oct.	25.5	51				sw.
Rhyolite	Nye	3,680	4				10	Jan. 16	4											
Sand Pass	Washoe	4,198	4		105	July 12	-27	Jan. 17	4	4.57	1.58	Feb.	0.00	Oct.	9.8	31	227	52	83	w.
Searchlight	Clark	3,445	4	63.4	106	June 17*	16	Jan. 17	4	6.32	2.49	Aug.	0.00	June*	3.5	31	248	65	52	s.
Sharp	Nye	6,200	4				-11	Jan. 17	4											
Sulphur	Humboldt	4,044	4	48.7	102	July 13*	-31	Jan. 17	4	2.64	1.50	May	0.00	Sep.*	11.5	14	198	105	59	sw.
Tonopah	Nye	6,090	12	50.0	96	July 12	-7	Jan. 16	12	4.21	1.22	Apr.	0.00	June*	21.0	32	223	104	38	w.
Vya	Washoe	5,500							4	8.87	2.20	Feb.	0.02	Oct.	46.2	43	287	29	49	sw.
For the State				48.8	111	July 12†	-38	Jan. 15		6.72	6.56	Feb.	0.00	Mar.*	29.8	33	218	73	74	sw.

†Also on other dates. *Also in other months.

Monthly and annual precipitation for the year, 1917, with departures from the normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		Sept'mb'r.		October.		Nov'mb'r.		Decemb'r.		Annual.	
	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.
Columbia Basin.																										
Gold Creek (near)	1.17	...	1.40	...	...	...	0.89	...	0.62	...	0.18	...	T.	...	0.05	...	0.15	...	0.00	...	...	...	0.40	...	...	...
Mahoney Ranger Station	0.75	...	1.55	...	1.47	...	3.68	...	4.50	...	...	...	0.79	...	...	...	1.26	...	0.00	...	1.24	...	...	...	...	...
Owyhee	...	...	1.75	...	2.04	...	2.69	...	3.11	...	0.52	...	1.08	...	...	...	...	...	...	...	1.62	...	0.60	...	...	...
San Jacinto	0.27	-0.35	0.60	-0.06	0.30	-0.61	1.10	+0.51	1.57	+0.18	T.	-1.69	0.71	+0.22	0.50	-0.11	0.56	-0.11	0.03	-0.66	1.48	+0.83	0.33	-0.28	7.45	-2.01
Humboldt Basin.																										
Arthur	0.46	-0.83	2.35	+1.06	1.38	+0.44	1.53	-0.21	3.84	+2.53	0.12	-0.83	1.34	+0.55	0.86	+0.42	0.80	+0.08	0.00	-1.22	0.62	-0.67	...	...	...	...
Austin	1.38	-0.21	1.04	-0.30	1.34	-0.16	1.70	+0.23	4.30	+2.76	0.00	-0.72	0.86	+0.41	0.51	-0.12	0.05	-0.43	0.00	-0.66	0.94	+0.30	T.	-1.19	12.12	+0.33
Battle Mountain	...	...	...	...	T	-0.68	0.43	-0.38	...	...	0.00	-0.51	0.00	-0.18	...	...	0.00	-0.30	0.00	-0.46	T.	-0.51	...	...	...	...
Beowawe	0.50	-0.27	0.12	-0.59	0.10	-0.55	0.28	-0.25	2.85	+2.22	0.10	-0.32	0.00	-0.25	0.00	-0.19	0.00	-0.24	0.00	-0.49	1.25	+0.64	0.02	-0.81	5.22	-1.10
Clover Valley	0.36	-1.79	2.14	-0.03	1.44	-0.10	2.35	+1.33	2.54	+1.11	0.11	-0.65	1.01	+0.57	1.12	+0.52	0.43	-0.11	0.00	-0.80	1.26	-0.51	0.00	-1.49	12.76	-1.95
Elko	1.10	-0.57	1.30	+0.09	0.98	-0.50	0.20	-0.55	3.55	+2.57	0.30	-0.60	1.05	+0.47	T.	-0.50	0.20	-0.24	0.00	-0.85	0.50	-0.42	T.	-0.88	9.18	-1.98
Eureka	0.39	-1.16	1.28	+0.18	1.16	-0.99	0.94	-0.23	5.73	+4.25	0.16	-0.78	...	...	...	...	0.63	-0.05	0.00	-0.84	0.58	-0.15	0.30	-0.67	...	...
Golconda	1.20	+0.47	0.06	-0.51	0.16	-0.41	0.83	+0.23	2.91	+2.15	0.35	-0.21	0.00	-0.20	0.01	-0.08	0.02	-0.28	0.00	-0.47	0.23	-0.16	T.	-0.83	5.77	-0.30
Hylton	0.50	...	1.71	...	1.81	...	1.35	...	4.36	...	0.39	...	0.71	...	0.00	...	0.78	...	0.00	...	0.88	...	0.12	...	12.61	...
Imlay §	0.90	+0.24	T.	-0.55	T.	-0.55	0.60	+0.23	2.15	+1.54	0.25	+0.03	T.	-0.16	T.	-0.14	0.00	-0.22	0.00	-0.36	T.	-0.33	T.	-0.69	3.90	-0.96
Lamoille	0.37	-1.42	1.82	+0.11	1.58	-0.45	2.38	+0.25	5.79	+3.95	0.48	-0.34	0.96	+0.44	0.90	+0.36	0.23	-0.14	0.00	-1.29	0.90	-0.37	0.05	-1.12	15.46	-0.02
Lovelock	0.92	+0.25	0.17	-0.24	0.05	-0.25	0.17	-0.03	0.98	+0.63	0.11	-0.17	0.00	-0.21	0.00	-0.04	0.00	-0.25	0.00	-0.24	0.14	-0.09	0.01	-0.23	2.55	-0.87
Metropolis	0.30	-1.10	0.35	-0.67	0.40	-0.75	0.66	+0.07	3.78	+2.82	0.45	-0.06	1.10	+0.85	0.63	+0.41	0.40	+0.21	0.00	-0.63	0.50	-0.25	0.05	-1.09	8.62	-0.19
North Fork	0.21	...	0.78	...	0.47	...	1.44	...	3.31	...	0.17	...	0.36	...	0.63	...	0.16	...	0.00	...	0.77	...	0.61	...	8.91	...
Paradise Valley	0.55	...	0.83	...	0.54	...	0.65	...	2.07	...	0.15	...	0.06	...	0.63	...	0.24	...	0.00	...	0.13	...	0.08	...	5.93	...
Potts	0.30	-0.23	1.35	+0.69	0.56	-0.27	1.04	+0.33	0.51	-0.60	T.	-0.40	0.11	-0.54	T.	-0.57	0.09	-0.21	0.00	-0.33	0.43	+0.04	0.40	-0.06	4.79	-2.15
Tecoma	0.50	-0.12	0.84	+0.29	0.02	-0.38	0.22	-0.37	1.01	+0.35	0.04	-0.56	0.61	+0.42	0.00	-0.23	0.48	+0.10	0.00	-0.44	0.17	-0.19	0.10	-0.45	3.99	-1.58
Winnemucca	0.90	-0.14	0.20	-0.73	0.58	-0.37	0.68	-0.20	2.49	+1.46	0.35	-0.29	0.06	-0.11	0.57	+0.40	T.	-0.34	T.	-0.52	0.25	-0.49	0.05	-0.94	6.13	-2.27
Truckee Basin.																										
Franktown	0.30	-4.99	...	...	...	...	...	...	...	...	...	...	...	...	0.20	-0.16	...	...	...	...	...	...	...	...	...	...
Marlette Lake	2.24	...	6.56	...	2.06	...	1.54	...	2.37	...	0.00	...	0.17	...	0.10	...	0.01	...	0.00	...	1.59	...	1.82	...	18.46	...
Reno	0.05	-1.90	2.01	+0.22	0.74	-0.48	0.28	-0.33	1.18	+0.39	0.06	-0.18	0.04	-0.10	0.12	-0.13	T.	-0.27	T.	-0.41	0.68	-0.41	0.27	-1.40	5.43	-5.00
Carson Basin.																										
Fallon	0.68	+0.06	0.77	+0.27	0.03	-0.45	0.12	-0.23	0.76	+0.06	0.00	-0.28	0.09	-0.09	0.05	-0.07	T.	-0.19	T.	-0.41	0.34	+0.06	T.	-0.58	2.84	-1.85
Gardnerville	T	-2.65	1.54	0.00	0.37	-1.04	0.48	-0.13	1.30	+0.63	0.00	-0.26	0.41	+0.08	0.13	-0.07	0.00	-0.23	0.00	-0.46	0.71	-0.86	0.22	-1.83	5.16	-6.82
Lahontan	0.45	...	0.90	...	0.09	...	0.09	...	0.96	...	0.00	...	0.06	...	0.14	...	0.00	...	0.00	...	0.22	...	T.	...	2.91	...
Walker Basin.																										
Mina §	0.20	-0.30	0.67	+0.39	0.00	-0.23	0.30	-0.02	0.99	+0.25	0.00	-0.22	0.00	-0.31	0.00	-0.41	0.00	-0.31	0.00	-0.28	0.00	-0.17	0.00	-0.42	2.16	-2.03
Smith	0.25	...	1.91	...	0.28	...	0.97	...	1.76	...	0.00	...	0.90	...	0.46	...	T.	...	0.00	...	0.88	...	T.	...	7.41	...
Thorne §	...	...	...	...	...	...	T.	-0.29	0.60	+0.23	...	...	...	...	...	...	...	...	...	...	T.	-0.34	T.	-0.40	...	...
Yerington §	0.25	-0.34	0.70	+0.23	0.30	-0.15	0.60	-0.38	2.20	+1.78	0.00	-0.37	...	...	0.19	-0.01	...	...	0.00	-0.20	0.40	+0.02	T.	-0.48	...	...
Colorado Basin.																										
Indian Springs	...	...	0.28	...	0.99	...	...	...	...	...	0.00	...	...	...	...	...	...	...	0.00	...	0.41	...	0.09	...	...	...
Las Vegas	0.92	+0.43	0.10	-0.44	0.01	-0.20	0.18	-0.14	0.84	+0.78	0.00	-0.14	1.54	+1.17	0.32	-0.25	0.36	+0.03	0.00	-0.25	0.06	-0.27	T.	-0.35	4.33	+0.37
Logan §	1.76	+0.86	0.10	-0.54	0.24	-0.48	0.32	+0.16	0.58	+0.48	0.00	-0.10	1.36	+1.08	0.00	-0.44	0.34	-0.11	0.00	-0.68	0.23	-0.25	T.	-0.46	4.93	-0.48
Pioche	...	...	...	...	0.13	-1.35	0.18	-0.81	4.30	+3.18	T.	-0.37	2.15	+1.57	1.50	+0.04	1.51	+0.88	T.	-0.48	0.80	+0.29	T.	-1.76	...	...
Minor Basins.																										
Cherry Creek	0.10	...	0.47	...	0.03	...	0.26	...	1.74	...	0.00	...	0.84	...	...	...	...	...	...	...	...	...	...	...	...	...
Duck Flats	0.52	...	1.98	...	0.36	...	0.14	...	0.77	...	0.10	...	0.00	...	0.48	...	0.06	...	0.00	...	0.34	...	0.13	...	4.88	...
Francis	0.24	...	1.61	...	0.48	...	0.19	...	0.89	...	0.33	...	0.35	...	...	...	0.00	...	T.	...	0.42	...	0.47	...	...	...
Gerlach	0.41	...	0.19	...	0.36	...	0.02	...	1.20	...	0.20	...	0.00	...	0.10	...	0.00	...	0.00	...	0.01	...	0.00	...	2.49	...
Goldfield	0.06	-1.02	0.95	+0.01	T.	-0.86	0.69	-0.03	1.13	+0.60	0.00	-0.48	0.89	+0.13	0.54	-0.03	0.04	-0.84	0.07	-0.77	0.96	+0.60	0.00	-0.55	5.33	-3.24
Hamilton	...	...	1.74	-0.55	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.00	...	...	...
Jungo	1.05	...	0.11	...	0.13	...	0.15	...	1.26	...	0.00	...	T.	...	0.30	...	...	...	...	...	...	...	...	...	...	...
Lida §	0.14	-0.61	1.80	+1.13	T.	-0.37	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
McDermitt	0.89	-0.84	1.30	-0.05	0.14	-1.09	0.35	-1.17	2.39	+0.77	0.28	-0.54	0.00	-0.30	0.07	-0.08	0.30	-0.04	0.00	-0.90	0.73	-0.16	0.18	-1.14	6.63	-5.54
McGill §	0.43	-0.60	0.60	-0.43	0.53	-0.79	1.42	+0.28	3.22	+1.93	0.07	-0.35	0.32	-0.30	1.20	+0.12	0.35	-0.30	0.00	-0.72	0.53	-0.25	T.	-1.11	8.67	-2.52
Millett	0.15	...	0.40	...	0.00	...	0.19	...	0.73	...	0.00	...	0.76	...	T.	...	T.	...	0.00	...	0.22	...	0.00	...	2.45	...
Oak Springs	0.29	...	0.15	...	0.24	...	1.19	...	2.32	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Oasis Ranch §	T.	-0.75	0.09	-0.58	0.00	-0.37	0.88	+0.41	0.05	-0.58	0.00	-0.29	0.05	-0.41	0.11	-0.45	T.	-0.37	0.00	-0.31	0.24	-0.12	0.00	-0.53	1.42	-4.35
Pahrump	1.13	...	0.13	...	0.10	...	0.49	...	...	...	0.00	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Quinn River Ranch	1.10	-0.09	0.82	+0.18	...	...	...	...	0.46	-0.01	T.	-0.53	0.00	-0.18	T	-0.18	0.00	-0.34	0.00	-0.49	0.08	-0.48	0.06	-0.79	...	...
Rebel Creek	0.90	...	0.58	...	0.39	...	0.94	...	3.26	...	0.44	...	0.07	...	0.30	...	0.33	...	0.00	...	0.47	...	0.10	...	7.78	...
Rhyolite*	0.32	...	0.09	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.36	...	0.00	...	...	...
Sand Pass	0.61	...	1.58	...	0.11	...	0.25	...	0.80	...	0.05	...	0.15	...	0.25	...	T.	...	0.00	...	0.55	...	0.22	...	4.57	...
Searchlight	1.36	...	0.26	...	0.04	...	0.47	...	1.09	...	0.00	...	0.50	...	2.49	...	0.07	...	0.00	...	0.04	...	0.00	...	6.32	...
Sharp	0.31	...	1.89	...	0.24	...	0.70	...	2.00	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sulphur	0.77	...	0.22	...	0.02	...	0.08	...	1.50	...	T.	...	T.	...	T.	...	0.00	...	0.00	...	0.05	...	0.00	...	2.64	...
Tonopah	0.50	...	0.42	...	0.03	...	1.22	...	0.39	...	0.00	...	0.31	...	0.58	...	0.13	...	T.	...	0.63	...	0.00	...	4.21	...
Vya	1.10	...	2.20	...	0.84	...	0.44	...	1.94	...	0.62	...	0.25	...	0.20	...	0.27	...	0.02	...	0.76	...	0.23	...	8.87	...

The departures from normal precipitation are computed only for such stations as have ten or more years of record. § Normals based on data from nearby stations with long records. T. Precipitation is less than 0.01 inch rain or melted snow.

* November and December records from Beatty.

Monthly and annual mean temperatures for the year, 1917, with departures from the normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Annual.	
	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.
Columbia Basin.																										
Gold Creek (near)	9.4[i]		14.5				28.0[e]		38.8		49.8		59.1		58.0[i]		51.4		41.9[e]		36.3					
Mahoney Ranger Station			26.3[a]		23.7[i]		36.0[a]		43.6[k]																	
Owyhee			23.5[d]		26.1[e]		39.0		47.5[k]		56.5[e]		71.4		65.6						41.1[i]		40.4			
San Jacinto	16.2	−10.1	23.6	5.2	27.2	9.0	39.4	1.9	47.3	1.5	55.7	1.3	68.5	+3.1	63.0	0.6	57.4	+3.2	42.3	1.3			35.6	12.7		
Humboldt Basin.																										
Austin	18.9	9.9	30.5	+1.0	32.2[b]	3.1	40.6[a]	3.2	44.8	5.8	61.5[a]	+1.3	73.2[b]	+4.1	69.0[c]	+0.9	61.1[i]	+2.0	54.2[i]	5.6	42.0[c]	3.0	38.0	7.4	47.2	[illegible]
Battle Mountain					34.2	−7.2	46.8	2.8	55.2	1.4	64.1	1.8	74.4	0.5			66.1[i]	+4.3	52.2	2.5	41.2	3.8	37.3	+7.9		
Beowawe	10.9	−16.3	27.0	4.1	32.3	8.5	43.6	5.3	49.4	8.1	61.1	6.1	73.8	−1.7	69.8	4.1	60.6	1.2	50.4	0.9	42.1	5.6	37.1	+7.9	46.5	3.4
Clover Valley	16.6	−8.5	26.1[a]	2.9	26.4[c]	10.1	41.2[b]	3.5	46.4[d]	4.8	56.6[b]	2.5	70.2[c]	+3.7	65.7[i]	+0.2	59.0[a]	+1.1	49.8[a]	+2.7	40.7	3.9	39.3	12.2	44.8	0.7
Elko	12.0	11.0	27.8	0.9	29.3	7.6	42.5	2.2	50.1	3.7	64.0	+1.3	73.6	+3.4			57.9	+1.0	53.8	8.8	40.0	5.6	35.1	8.0		
Eureka	19.7	−7.9	29.2	−0.5	28.5	8.5	41.9	−3.3	46.1	5.0	61.0[e]	+0.2					61.8	+0.5	53.4	+4.3	42.8	3.5	37.9	6.9		
Golconda	11.1	−18.4	29.0	−4.7	33.0	7.5	45.2	−2.8	51.4	5.0	64.6	1.0	77.1	+2.6	70.7	−0.5	62.2	+2.5	50.4	+0.9	41.9	2.5	37.1	6.2	47.8	2.0
Imlay §	10.8	−19.5	28.6	−5.9	33.4	−6.8	41.0	−5.1	50.4	4.8	63.8	3.1	75.2[e]	0.6	72.0	0.9	63.2	+2.0	54.6	+4.0	42.2	2.3	38.1	5.8	48.0	2.7
Lamoille	19.4[i]		28.1[m]		27.2[a]		37.6		44.3		57.2		71.6[f]		68.6		61.0		52.0		40.2		39.0		45.5	
Lovelock	11.0	−20.9	29.6[b]	−6.3	35.2	−8.5	46.2	−5.0	51.6	7.8	62.8	3.9	74.6	0.3	70.0	−4.1	60.2	3.2	50.3	1.5	38.2	3.6				
Metropolis	12.1		20.0		20.6[a]		38.0[a]		45.2[i]		53.8		69.6[j]		66.0[n]		57.8		49.1[d]		29.2[i]		34.9		42.2	
Paradise Valley	9.9		23.4		27.8		40.6		46.4		55.7		68.5		65.4		57.6		48.4		43.0[i]		35.8		43.5	
Potts	12.4	−12.1	24.8	−2.3	25.1	−8.2	41.2	−2.3	43.2	7.8	58.6	−3.2	66.8	2.8	62.6	−5.2	58.5	+3.1	40.8	−3.4	36.8	2.8	35.4	11.1	42.2	2.5
Tecoma	14.1	−8.8	26.4	−0.3	28.0	9.2	42.0	−4.8	53.6	0.4	62.6	−0.2	75.0	+2.7	70.5	0.3	55.6	−3.6	48.5	+2.5	41.0	+6.8	34.2	9.0	46.0	0.6
Winnemucca	11.8	17.0	28.9	4.1	32.8	6.8	44.4	2.7	50.1	4.3	63.3	0.0	75.9	+4.3	71.0	+0.2	61.4	+0.9	51.7	+3.1	41.9	+4.4	37.2	6.5	47.5	[illegible]
Truckee Basin.																										
Franktown	20.3	12.9													66.2	−1.7										
Marlette Lake	16.8[a]		22.7		19.6[a]		27.6		35.0		51.5[a]		62.1		60.7		51.6[a]		48.0[i]		35.8[a]		30.9[a]		38.5	
Reno	22.8	9.7	33.6	−2.0	35.5	5.5	45.6	1.7	50.6	3.0	63.8	2.8	74.0	+6.5	72.0	−5.0	62.6	+2.9	56.0	+6.3	44.6	+3.6	41.2	+7.5	50.2	1.1
Carson Basin.																										
Fallon	13.1	−17.7	30.2	−5.9	36.6	−4.7	47.6	−2.4	53.0	2.7	65.6	+1.0	77.2	+3.7	73.4	+1.4	63.4	+2.5	53.6	−2.9	42.8	3.1	38.0	6.0	49.5	1.1
Gardnerville	19.7[e]	−11.3	33.1[f]	−2.9	35.4[g]	−6.8	45.1[i]	3.5	49.9[e]	3.6	59.2[k]	−2.1	67.7[i]	0.1	65.7[l]	1.9	58.4[n]	−2.3	51.1[k]	0.7	42.9[d]	0.1	40.8[e]	+8.6	47.1	2.1
Lahontan §	17.2		32.0		38.4		49.0		53.2		69.0		80.2		76.7		67.4		59.1		47.6		42.8[e]		52.7	
Walker Basin.																										
Mina §	20.4	−13.5	35.2	3.9	36.2	−8.1	46.8	4.6	54.5	4.3	69.6	0.0	80.4[a]	+2.8	75.4	−0.6	65.9	0.2	59.6	+6.6	47.6	+3.9				
Thorne §							49.4	−1.2	61.2	+1.6											41.0	3.2	40.4	+4.4		
Yerington	20.1	−12.6	33.2	−3.6	36.6	5.8	47.2	−2.2	52.6	2.7					75.2[e]	5.1							38.3	6.6		
Colorado Basin.																										
Indian Springs			45.2		44.0						76.3								60.6[b]		49.2		46.1			
Las Vegas	39.6	−2.2	49.7	+4.5	50.4	−1.0	59.6	0.2	64.3	−2.6	80.1	+4.1	87.8	+6.1	83.4	+3.4	76.7	+4.5	68.8	+8.2	57.2	+7.7	49.8	−8.8	61.0	3.5
Logandale §	39.7	−3.0	48.6	0.2	50.6	−4.1	59.2	−4.7	65.8	−5.6	80.4	−0.8	88.4	+1.3	83.5	−2.6	77.4	+0.4	69.0[a]	+3.5	55.0[b]	+2.0	47.6	−4.5	63.8	0.8
Pioche					32.4	−7.2	43.4	−4.3	50.0	4.9	66.4	−1.1	74.4	+1.8	68.9	−2.7	61.3	−1.4	52.8	+2.7	44.4	−6.8	41.2	+9.7		
Minor Basins.																										
Cherry Creek	14.6		24.6		26.0		38.3		43.4		56.0		65.2													
Gerlach	7.8		27.8		34.8		46.0		52.0		66.6		78.1		72.5		61.7		53.7		40.3		36.4		48.1	
Goldfield	20.4	−11.3	34.0	−2.4	36.0	7.0	45.9	4.2	51.0	−5.0	67.8	−2.9	78.0	+4.8	77.2[c]	+4.8	64.4	+1.0	57.0	+5.9	43.6	−2.8	39.4	+8.5	51.2	0.1
Lida §	24.2[a]	−5.5	33.4[d]	+0.8																						
McDermitt	14.6	−12.5	25.4	−5.3	29.0	−9.1	41.4	−4.0	48.0	−5.6	58.8	6.2	72.0	1.7	70.6	1.7	61.8	+0.8	53.4	+4.6	44.4	+6.9	37.9	6.1	46.1	−2.3
McGill §	19.6	−6.0	29.5	+1.0	32.4[c]	−1.6	43.6	+0.6	48.4	−2.6	64.4	−1.6	76.8	+8.6	70.8	+5.9	62.4	−6.9	54.0	+9.6	42.8	+7.3	39.8	+12.4	48.7	3.3
Millett	15.4		29.0		32.2		42.7		48.0		60.8		71.0		66.4		58.4		49.8		38.6		32.8		45.4	
Oasis Ranch §	20.1	−10.1	34.9	0.0	36.7	−4.0	47.5	−1.5	54.4	−0.8	69.5	+7.4	77.2	+8.8	70.4	−3.1	63.2	+3.9	52.8	+4.0	41.4	+3.8	36.2	+8.9	50.4	2.0
Pahrump	33.4		44.2		43.4[a]		52.4				71.6															
Quinn River Ranch	10.1[d]	−16.5	24.5	−5.6					51.6[b]	−2.0	62.2[a]	+1.1	75.8[d]	+7.0	69.8	+2.7	58.3[h]	+1.3	49.2[b]	+2.0	39.1[d]	+0.8	32.9	+4.0		
Rebel Creek	14.8[c]		28.0		33.4[c]		44.2		50.0		63.0		74.2		71.2		63.2		55.0		44.0		40.2		48.4	
Rhyolite*	34.2		43.1																		50.5		48.4			
Sand Pass	11.8		28.6		35.5		47.0		52.4		67.4		80.4								43.0[e]		39.6			
Searchlight	38.2		46.1		48.3		58.0		61.5		80.8		86.6		82.6		77.0		70.6		57.7		53.2		63.4	
Sharp	21.6		30.0		33.0		43.2		47.6[f]																	
Sulphur	4.8		25.3		33.8		44.0		52.9		66.8		80.0[d]		77.8[b]		66.1		57.0		43.2		33.2		48.7	
Tonopah	20.6		32.2		33.0		43.3		48.2		67.2		76.8		72.4		64.2		57.8		43.6		40.6		50.0	

The departures from normal temperature are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normal based on data from nearby stations with long records.

Reference letters [a], [b], [c], appearing in the table indicate number of days missing; for example, [b] represents two days missing, etc.

* November and December records from Beatty.

Monthly maximum temperatures for the year, 1917, with dates.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.
Columbia Basin.																								
Gold Creek (near)	34[d]	25	39	9	...	...	53[c]	†24	70	15	78	15	79	12	77[b]	†2	76	†1	70[c]	†2	60[g]	†20	...	...
Mahoney Ranger Station	46[g]	†9	55[a]	4	53[i]	28	61[a]	24	77[k]	13	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Owyhee	...	...	48[d]	21	53[g]	28	62	†7	77[k]	14	85[a]	28	96	12	93[i]	8	...	...	...	...	68[f]	22	64[g]	29
San Jacinto	46	26	46	†24	59	29	67	8	81	14	89	15	95	8	92	9	86	†1	71	2	...	...	61	†19
Humboldt Basin.																								
Austin	49	25	51	4	60[b]	28	69[a]	24	73	13	88[a]	†16	98[b]	12	90[c]	†2	89[a]	1	82[b]	5	70[a]	2	62[e]	29
Battle Mountain	...	...	...	...	70	29	76	†7	90	16	96	19	105	14	...	...	97[b]	†1	91	6	67	1	62	28
Beowawe	48	29	54	24	69	28	76	7	81	13	90	16	99	14	98	22	94	1	88	4	75	1	66	18
Clover Valley	46	26	49[a]	†4	61[e]	28	71[b]	8	85[d]	14	86[g]	26	95[c]	†9	88[c]	†2	85[a]	1	81	†4	72	2	66[c]	28
Elko	45	†7	52	27	64	29	75	25	86	14	97	27	105	16	...	...	94	1	89	8	73	2	62	†19
Eureka	48	29	54	10	66	28	74	25	76	14	90[e]	†15	...	...	...	...	90	1	86	†4	70	†1	63	†19
Golconda	48	29	56	24	65	28	71	24	82	13	94	17	100	12	94	1	90	2	84	5	65	†2	62	20
Imlay	45	29	58	24	67	28	76	21	80	13	94	16	104	18	99	20	90	20	89	12	72	†2	65	†20
Lamoille	46[h]	26	61[h]	24	58[a]	28	65	24	74	14	84	28	92[i]	†12	89	†2	86	1	85	4	69[a]	2	70	†18
Lovelock	46	29	58	24	68	28	77	24	81	14	94	17	104	†11	97	1	91	1	84	†4	66	†1	...	...
Metropolis	36	†26	42	†4	54[a]	28	66[a]	24	75[e]	†14	83	†15	93[j]	†18	91[n]	9	85	†1	82[d]	†3	68[f]	2	57	18
Paradise Valley	38	†6	45	24	60	28	70	7	76	13	85	15	96	12	95	†17	90	1	84	†5	70[f]	†1	66[e]	27
Potts	42	29	45	†5	60	†28	65	6	72	14	90	†14	98	†14	90	†1	88	1	68	†10	70	2	56	27
Tecoma	43	28	50	25	63	29	76	26	78	16	98	†23	105	9	100	10	97	3	82	†3	70	†2	67	1
Winnemucca	43	29	56	24	66	28	74	24	80	13	92	16	102	12	97	2	91	1	86	9	72	2	65	19
Truckee Basin.																								
Franktown	53	30	...	...	...	...	...	...	...	...	...	...	...	...	93	23	...	...	...	...	...	...	...	...
Marlette Lake	44[a]	10	48	4	42[a]	27	50	24	51	13	75[a]	19	84	†12	79	23	72[a]	†16	72[b]	4	57[a]	2	49[a]	19
Reno	51	27	54	15	66	27	76	24	74	13	91	19	101	11	97	23	90	18	87	4	72	1	67	19
Carson Basin.																								
Fallon	54	28	60	24	73	28	78	†7	84	13	97	†16	105	12	99	23	94	1	89	5	77	3	69	19
Gardnerville	52[e]	27	54[f]	23	70[g]	28	74[c]	†24	72[g]	14	87[k]	11	92[i]	†11	88[l]	23	85[n]	†4	87[k]	24	71[d]	1	67[c]	18
Lahontan	51	29	56	24	74	28	77	24	81	13	96	16	101	12	97	2	98	1	88	5	75	3	68[e]	19
Walker Basin.																								
Mina	48	30	61	24	89	29	80	25	86	31	104	17	106[a]	12	101	4	93	3	85	14	81	10	...	...
Thorne	...	...	...	...	...	...	80	16	87	26	...	...	...	...	...	...	...	...	...	...	67	30	70	8
Yerington	53	29	57	24	72	28	78	24	83	13	93	17	...	...	93[c]	†2	...	...	...	...	79	†1	68	19
Colorado Basin.																								
Indian Springs	...	...	69	24	70	†21	...	...	...	...	105	20	...	...	...	...	...	...	91[h]	†9	78	4	71	†19
Las Vegas	63	10	75	24	83	29	95	25	96	14	110	16	110	†17	108	7	104	†1	100	†5	86	4	79	28
Logandale	63	10	73	†24	88	29	95	25	97	14	110	16	111	†12	107	†5	105	5	101[a]	4	84[b]	3	74	28
Pioche	...	...	...	...	66	29	75	†22	81	15	91	†15	96	†12	91	23	91	2	81	8	65	3	66	26
Minor Basins.																								
Cherry Creek	47	10	45	†3	60	†28	70	†7	72	15	85	29	94	14	...	...	...	...	...	...	...	...	...	...
Gerlach	41	†28	52	24	64	†27	75	24	79	13	92	†9	105	12	99	2	93	†1	87	5	69	2	61	28
Goldfield	46	30	54	8	79	29	79	25	77	14	94	†14	102	14	96	†6	90	5	87	5	72	1	62	19
Lida	49[a]	11	58	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
McDermitt	38	†6	46	†4	61	28	71	†7	78	10	89	16	96	12	96	24	91	20	86	†4	70	†1	60	19
McGill	45	11	53	9	67[c]	28	74	24	78	14	92	16	99	12	96	2	90	1	84	†4	70	†1	66	29
Millett	48	29	53	24	70	28	75	7	79	†13	90	†16	97	11	92	†7	87	1	85	5	70	†1	62	19
Oasis Ranch	55	7	58	9	74	28	84	26	85	14	101	19	102	†3	97[h]	10	89	1	81	5	70	1	60	18
Pahrump	68	27	65	†1	87[a]	30	83	21	...	...	110	†4	...	...	...	...	...	...	...	...	...	...	...	...
Quinn River Ranch	39[f]	28	45	6	...	...	...	...	81[h]	30	94[a]	†16	104[d]	†11	98[j]	†3	93[h]	†17	90[b]	†3	72[d]	†1	60	28
Rebel Creek	40[c]	27	48	24	64[c]	27	74	7	78	†13	92	16	99	12	94	2	90	1	87	5	72	3	65	19
Rhyolite *	61	9	65	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	80	†1	75	†19
Sand Pass	46	29	50	24	66	27	76	24	76	†13	93	17	105	12	97	†1	...	...	...	...	65[j]	4	64	19
Searchlight	57	†11	66	25	81	29	86	25	89	11	106	17	106	14	100	†1	98	4	95	5	79	2	71	20
Sharp	52	11	50	†5	68	30	75	25	76[g]	14	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sulphur	42	†28	55	24	63	†27	75	7	79	12	94	16	102[g]	13	102	24	96	5	98	4	68	1	65	20
Tonopah	43	29	49	24	66	28	71	25	72	13	89	17	96	12	89	2	83	1	81	5	64	1	58	19

† Also on other dates.

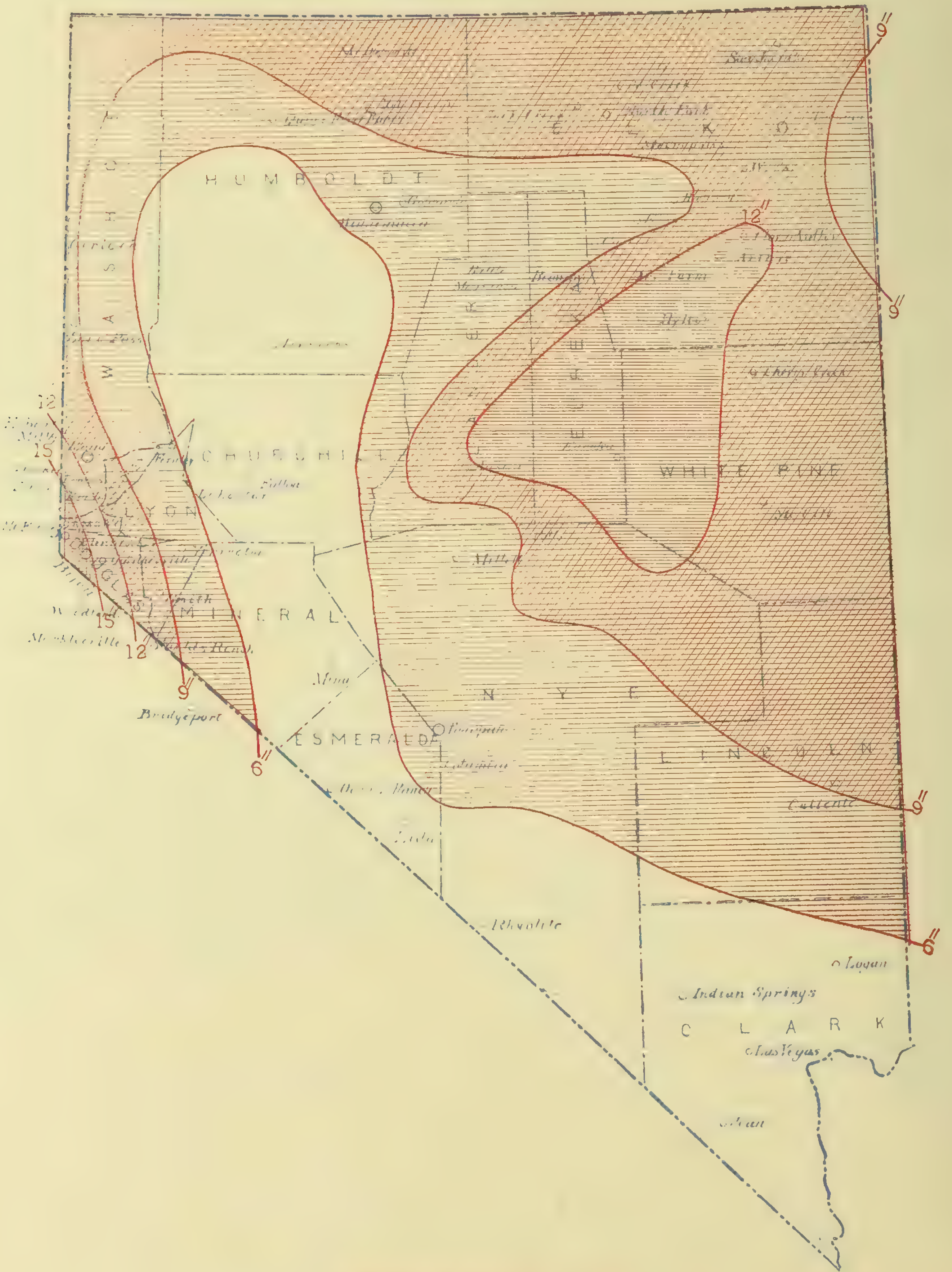
* November and December records from Beatty.

Monthly minimum temperatures for the year, 1917, with dates.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.
Columbia Basin.																								
Gold Creek (near)	23^{d}	31	25	1			6^{e}	†7	15	2	20	11	34	11	32	15	25	14	6^{e}	17	16^{e}	[illegible]	9	11
Mahoney Ranger Station	16^{g}	16	7^{a}	1	11^{i}	1	7^{a}	16	11^{k}	1														
Owyhee	...	...	8^{d}	1	14^{g}	12	1	3	25^{k}	5	28^{a}	†4	42	†1	39	7					11^{f}	19	8	10
San Jacinto	32	16	34	1	3	1	10	3	22	†5	26	11	32	1	35	†7	25	15	12	30	4	19	4	[illegible]
Humboldt Basin.																								
Austin	12	†15	−2	1	4^{b}	†2	11^{a}	17	23	5	26^{a}	12	50^{b}	29	46^{e}	6	32^{a}	25	26^{e}	†16	19^{a}	13	[illegible]	7
Battle Mountain	...	...	...	...	11	2	12	1	28	†4	32	11	45	1	...	...	34^{a}	†28	14^{e}	21	10	27	10	†29
Beowawe	−32	17	−22	1	9	3	12	1	22	5	29	12	40	4	39	28	25	25	7	29	11	27	7	11
Clover Valley	−18	18	-15^{a}	1	-5^{e}	17	3	2	19^{d}	15	25^{b}	†11	43^{e}	20	41^{d}	8	28^{a}	25	10^{b}	†18	3	27	−7	6
Elko	−29	15	−30	1	0	†16	21	†4	20	†2	29	11	44	1	...	...	24	†24	8	29	10	†19	6	11
Eureka	−20	16	−10	1	−3	2	15	3	22	†5	25	12	...	...	...	...	26	25	12	18	20	†26	11	8
Golconda	−18	†12	4	1	8	14	14	16	27	4	32	11	50	1	44	28	32	21	13	17	14	19	10	†6
Imlay	−35	17	−8	1	6	15	10	18	22	5	29	12	47^{b}	7	44	†7	30	25	16	30	12	26	8	10
Lamoille	-14^{b}	16	-10^{m}	1	-3^{a}	2	14	3	23	5	26	12	47	1	47	26	33	26	11	29	22^{n}	†19	12	7
Lovelock	−30	17	-4^{d}	1	9	†15	11	16	22	16	29	12	41	28	41	†7	29	25	12	29	10	21	5	9
Metropolis	−25	17	-25^{a}	1	-11^{a}	2	7^{a}	3	20^{f}	16	24	12	37	1	37^{a}	11	26	14	8	29	12^{f}	19	10	11
Paradise Valley	−30	17	−17	1	−2	1	12	16	18	16	22	12	40	†10	33	11	21	14	6	†18	7	22	5	11
Potts	−25	16	−15	1	−12	15	12	17	18	5	24	10	34	†1	36	28	25	19	6	18	12	20	3	†11
Tecoma	−22	15	−15	1	0	31	8	†3	20	3	25	6	43	1	33	13	27	25	1	29	10	18	8	6
Winnemucca	−22	17	−12	1	5	15	15	16	24	16	32	12	48	10	42	7	29	25	15	29	9	20	6	11
Truckee Basin.																								
Franktown	−12	†16	...	...	...	...	...	...	...	...	...	...	...	...	39	†5	...	...	...	...	...	...	...	...
Marlette Lake	-9^{a}	†16	−5	1	-12^{a}	15	5	1	19	4	27^{a}	12	42	†4	42	7	30^{a}	†23	25^{b}	18	23^{a}	†8	16^{a}	11
Reno	−5	17	1	18	13	15	20	16	27	16	36	12	47	28	48	27	34	25	23	29	22	21	20	12
Carson Basin.																								
Fallon	−25	†16	−2	1	12	22	19	3	27	†5	32	11	16	28	47	26	32	25	15	29	16	†21	10	11
Gardnerville	-15^{e}	17	5^{f}	19	11^{g}	†15	18^{e}	†10	24^{g}	16	29^{k}	12	39^{i}	2	39^{l}	6	29^{n}	25	14^{k}	19	16^{d}	22	13^{e}	8
Lahontan	−17	17	4	1	17	22	25	†1	32	16	38	†11	57	28	55	27	38	25	21	29	26	21	18^{e}	8
Walker Basin.																								
Mina	16	17	8	1	11	15	15	16	29	3	36	11	56^{a}	†27	48	30	35	25	32	11	11	19	...	...
Thorne	...	...	...	...	...	...	24	3	36	†7	...	...	...	...	...	...	...	...	...	...	20	†1	14	†23
Yerington	−14	16	6	1	10	†2	20	†1	25	16	...	...	...	...	48^{e}	16	...	...	...	...	...	...	9	9
Colorado Basin.																								
Indian Springs	...	...	22	†17	17	3	...	...	...	...	48	2	...	...	...	...	...	...	29^{i}	†19	24	26	20	9
Las Vegas	16	15	19	1	23	4	31	10	39	1	47	2	62	†1	57	†17	48	26	32	29	27	30	24	12
Logandale	18	†14	19	2	23	16	28	†1	39	26	49	2	60	1	53	†19	47	27	34^{a}	30	28^{b}	29	24	9
Pioche	...	...	...	...	9	10	20	†9	28	5	35	1	55	†8	48	28	37	†24	23	29	23	6	19	4
Minor Basins.																								
Cherry Creek	−27	18	−21	1	−4	†3	0	3	18	5	20	11	33	1	...	...	...	...	...	...	...	...	...	...
Gerlach	−38	15	0	1	8	15	15	16	23	16	31	11	47	†9	42	12	30	4	19	†18	9	12	9	†10
Goldfield	−10	†16	4	1	11	16	14	17	29	16	36	1	54	1	57^{f}	5	34	23	20	18	22	26	17	7
Hamilton	...	...	4	†2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lida	-6^{a}	18	1	19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
McDermitt	−16	18	−8	2	5	†1	18	15	22	5	25	12	42	29	46	7	33	23	13	28	20	26	14	8
McGill	−11	17	−9	1	2^{e}	16	17	3	24	5	31	1	51	1	46	27	32	25	16	29	10	9	18	†3
Millett	−19	17	−6	1	6	†1	12	15	22	†5	26	11	42	1	39	7	26	25	9	29	4	21	3	8
Oasis Ranch	−12	17	12	7	9	16	11	15	30	16	34	7	43	1	46^{b}	20	38	†25	18	19	19	†19	11	8
Pahrump	8	18	19	†26	18^{a}	†13	30	8	...	...	40	12	...	...	...	...	...	...	...	...	...	...	...	...
Quinn River Ranch	-34^{e}	17	−12	1	...	...	...	...	22^{b}	15	24^{a}	11	43^{d}	25	39^{j}	12	24^{h}	14	5^{b}	†18	1^{d}	20	−1	11
Rebel Creek	-14^{e}	†14	−7	1	6^{e}	1	18	16	24	16	30	11	46	1	47	7	35	†14	18	29	20	†20	15	†7
Rhyolite *	10	16	18	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	25	30	24	4
Sand Pass	−27	17	0	1	10	2	23	†3	25^{a}	16	33	11	51	23	...	...	...	...	...	...	17	†20	15	8
Searchlight	16	17	21	1	25	†3	35	†10	40	26	55	2	66	†26	60	12	51	23	39	29	39	15	32	7
Sharp	−11	17	6	1	5^{a}	3	9	18	25^{d}	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sulphur	−31	17	−14	1	12	16	18	16	25	5	31	12	50	10	48^{d}	22	34	25	21	28	14	19	8	†12
Tonopah	−7	16	9	1	10	2	19	15	30	5	35	12	56	29	54	12	35	23	26	29	28	13	19	17

† Also on other dates. * November and December records from Beatty.

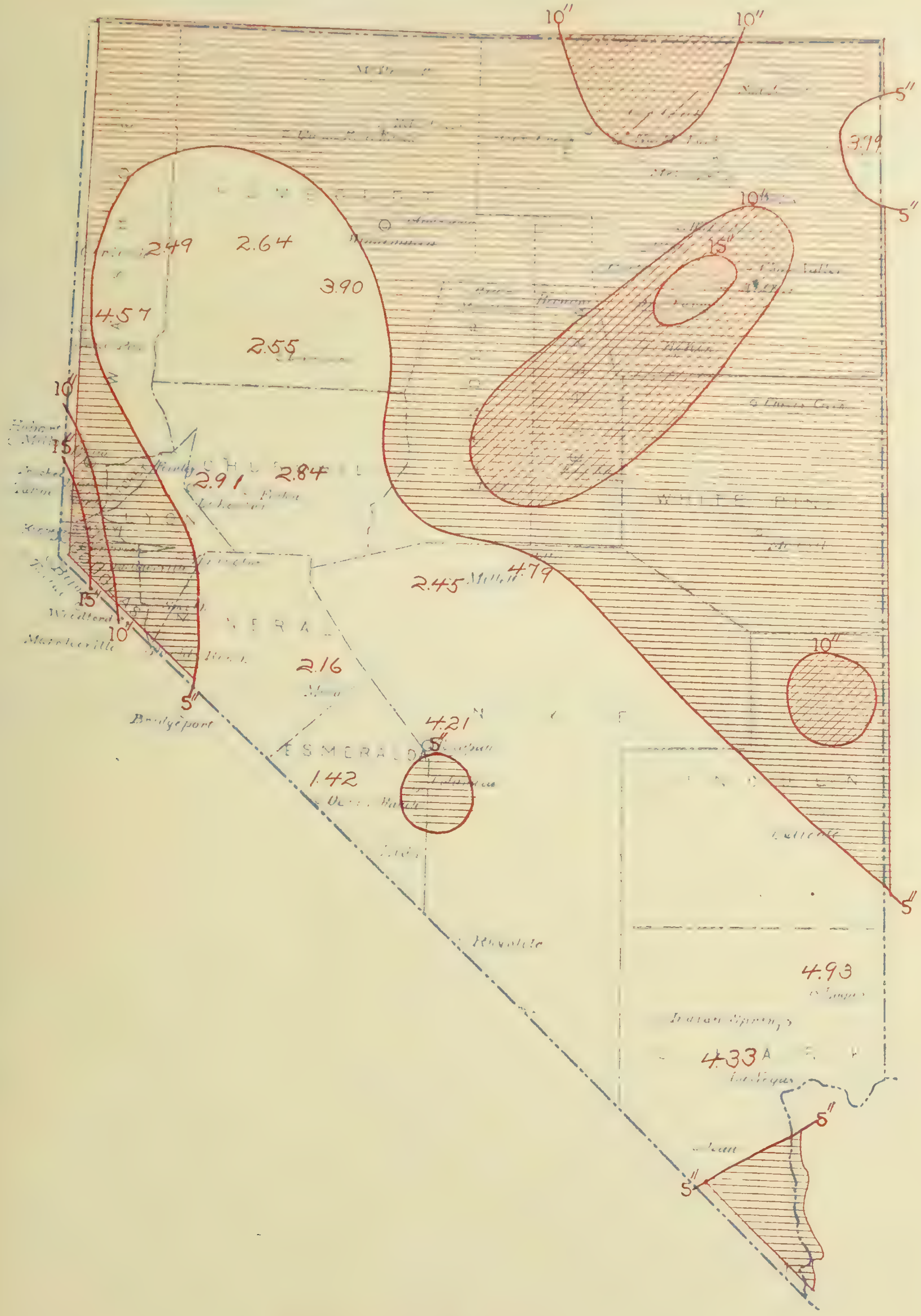
Mean annual precipitation and location of stations.



SCALE OF SHADES. Inches.

☐	Less than 6.
▤	6 to 9.
▨	9 to 12.
☐	12 to 15.
▦	More than 15.

Total precipitation, year 1917.



SCALE OF SHADES. Inches.

☐ Less than 5. ▤ 5 to 10. ▨ 10 to 15. ▦ More than 15.

Cooperative Stations and Observers.

Stations.	Observers.	Stations.	Observers.	Stations.	Observers.
Austin	Forest Service	Indian Springs	Ira MacFarland	Pahrump	F. M. Buol
Battle Mountain	Southern Pacific Co.	Jungo	Western Pacific Co.	Paradise Valley	F. C. Buckingham
Beatty	E. E. Palmer	Lahontan	U. S. Reclamation Service	Pioche	L. H. Beason
Beowawe	Southern Pacific Co.	Lamoille	Elko-Lamoille Power Co.	Potts	Miss Irene Potts
Clover Valley	J. D. Weeks	Las Vegas	C. P. Squires	Quinn River Ranch	F. M. Payne
Duck Flat	C. T. Smith	Lida	L. F. Detwiler	Rebel Creek	Fred Whitaker
Elko	Western Pacific Co.	Logandale	Bert Mills	Rhyolite	Secretary School Board
Eureka	Clay Simms	Lovelock	John R. Montgomery	Sand Pass	R. R. Mott
Fallon	U. S. Experiment Station	McDermitt	U. S. Indian Service	San Jacinto	Utah Construction Co.
Francis	G. W. Barnard	McGill	R. E. Middagh	Searchlight	C. L. A. Mahn
Franktown	Agent, V. & T. R. R.	Mahoney Ranger Station	Forest Service	Sharp	F. A. Sears
Gardnerville	Forest Service	Marlette Lake	V. & G. H. Water Co.	Smith	C. M. Carter
Gerlach	Western Pacific Co.	Metropolis	L. F. Hatch	Sulphur	Western Pacific Co.
Golconda	Southern Pacific Co.	Millett	Fred J. Jones	Tecoma	Southern Pacific Co.
Gold Creek	Forest Service	Mina	Southern Pacific Co.	Thorne	Southern Pacific Co.
Goldfield	R. W. Robinson	Oasis Ranch	A. L. Stewart	Vya	L. A. Marriette
Imlay	Southern Pacific Co.	Owyhee	E. A. Schwab	Yerington	S. L. Netherton

Mountain Snowfall Observers.

Stations.	Observers.	Stations.	Observers.	Stations.	Observers.
Arthur	Isaac Woodhouse	Hylton	Chas. Toyn, sr.	Shield's Ranch, Cal	Bruce H. Chichester
Bijou, Cal	Chas. Young	Markleeville, Cal	Mrs. Mary A. Thornburg	Tahoe City, Cal	Mrs. Emma C. Smith
Bridgeport, Cal	Robt. Crawford	McKinney, Cal	Henry Soll	Woodfords, Cal	Grant P. Merrill
		North Fork	Roy C. Pratt		

Forecast Distributors and Displaymen.

Stations.	Distributors.	Stations.	Distributors.	Stations.	Distributors.
Austin	U. N. & I. Telephone Co.	Goldfield	W. U. Telegraph Co.	Reno	U. S. Weather Bureau
Carson City	W. U. Telegraph Co.	Las Vegas	C. P. Squires	Tonopah (1)	U. S. Weather Bureau
Elko	Postmaster	Lovelocks	U. N. & I. Telephone Co.	Tonopah (2)	Tonopah Daily Times
Ely	Steptoe Drug Co.	Metropolis	W. M. Wiley	Virginia City	W. U. Telegraph Co.
Eureka	W. U. Telegraph Co.	Mina	W. U. Telegraph Co.	Winnemucca	U. S. Weather Bureau
Fallon	U. N. & I. Telephone Co.	Pioche	U. N. & I. Telephone Co.	Yerington	W. U. Telegraph Co.

Telephone Service.

Through the cooperation of the Golconda Telephone and Power Co., the Utah, Nevada and Idaho Telephone Co., and the Las Vegas Telephone and Power Co., the weather forecasts may be obtained free at all the principal telephone exchanges on the lines named.

General Cooperative Activities.

The Nevada Section of the U. S. Climatological Service (Section Center, Reno, Nev.) maintains a cooperation with the institutions named below:

The College of Agriculture, School of Mines, and Meteorological Department of the University of Nevada, in connection with evaporation work, snow surveys, the forecasting of Lake Tahoe stages, and the dissemination of climatological and seismological information for the use of agricultural, commercial and other interests.

The U. S. Reclamation Service, Fallon, Nev., in supplying precipitation and river data for use in water storage and irrigation work in the Truckee-Carson project.

The Truckee River General Electric Co., and the Reno Power, Light and Water Co.; supplying rain and snowfall data for the Tahoe watershed in connection with the operation of the power, light, and water plants.

The Reno Commercial Club; supplying climatic information for use in its immigration and home seekers' departments.

U. S. DEPARTMENT OF AGRICULTURE,
WEATHER BUREAU.
C. F. MARVIN, Chief.

NOTES ON THE CLIMATE OF FRANCE AND BELGIUM.

By PRESTON C. DAY.

[*Advance sheets from* MONTHLY WEATHER REVIEW, October, 1917.]

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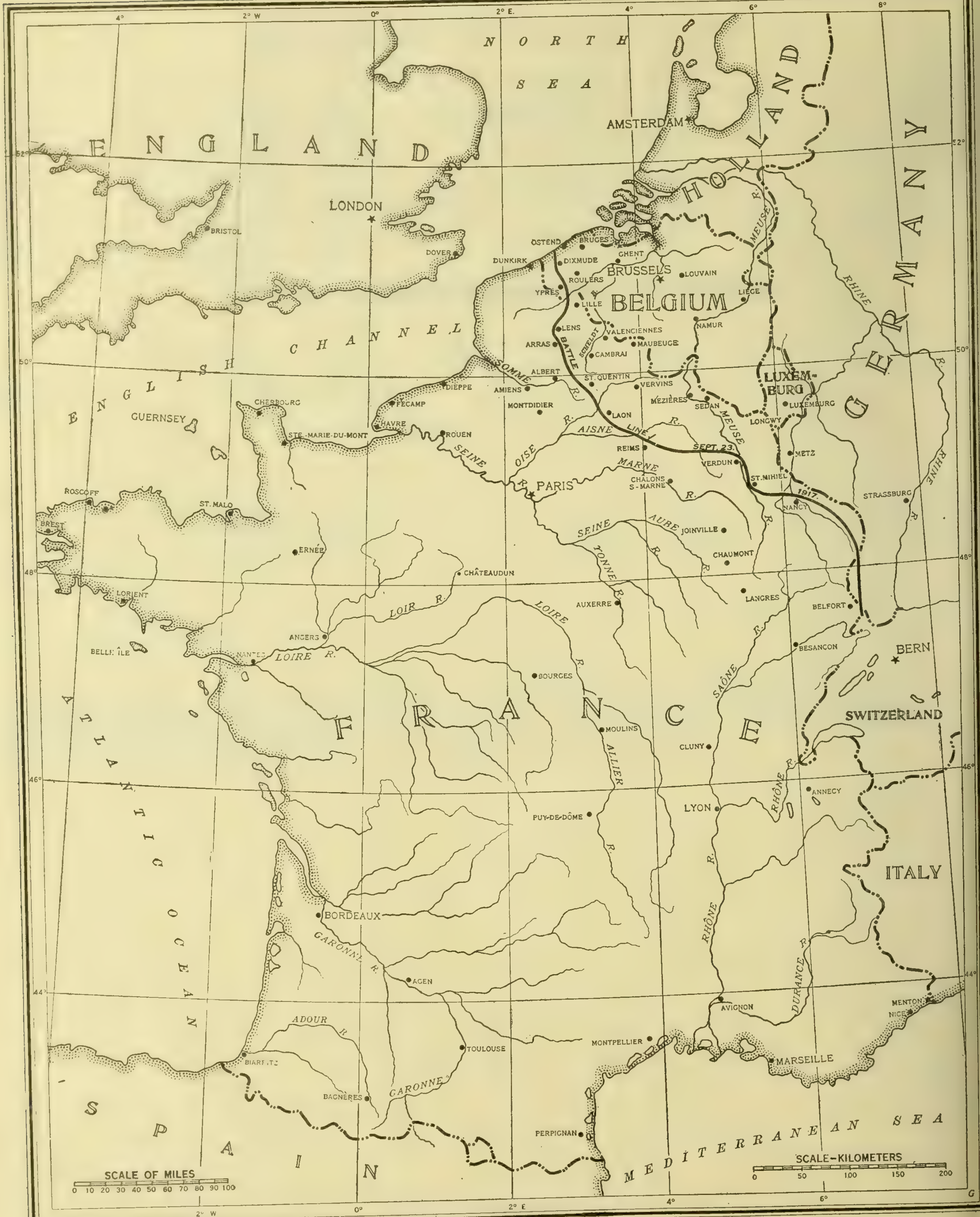

FIG. 1.—Map of France and Belgium, showing rivers, localities referred to in accompanying tables, and approximate battle line on September 23, 1917.

[Advance sheets from MONTHLY WEATHER REVIEW, October, 1917.]

NOTES ON THE CLIMATE OF FRANCE AND BELGIUM.

By PRESTON C. DAY, Climatologist and Chief of Division.

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Introduction.

The present interest of the people of the United States in matters pertaining to Europe has extended to questions of climate and the probable effect of the weather upon the health and comfort of those who have been or who may be called for service in France and Belgium. Numerous inquiries relating to weather conditions usually experienced in those countries have been received, and it seems proper to present to the public at this time a description of their more important climatic features. As there is generally shown on the part of the inquirer a desire for comparisons between weather here and there, sufficient data have been included to permit of such comparisons being made.

Geographical position.—France and Belgium together occupy that portion of the western coast of Europe extending from north latitude 42° 20′ to 51° 20′, which corresponds nearly to the portion of the American coast lying between Boston and the northern end of Newfoundland. In longitude they extend from 1° 42′ west of Greenwich to 7° 30′ east. Their outlines and some of the more important topographic features, including river systems, and locations of various towns are shown on figure 1.

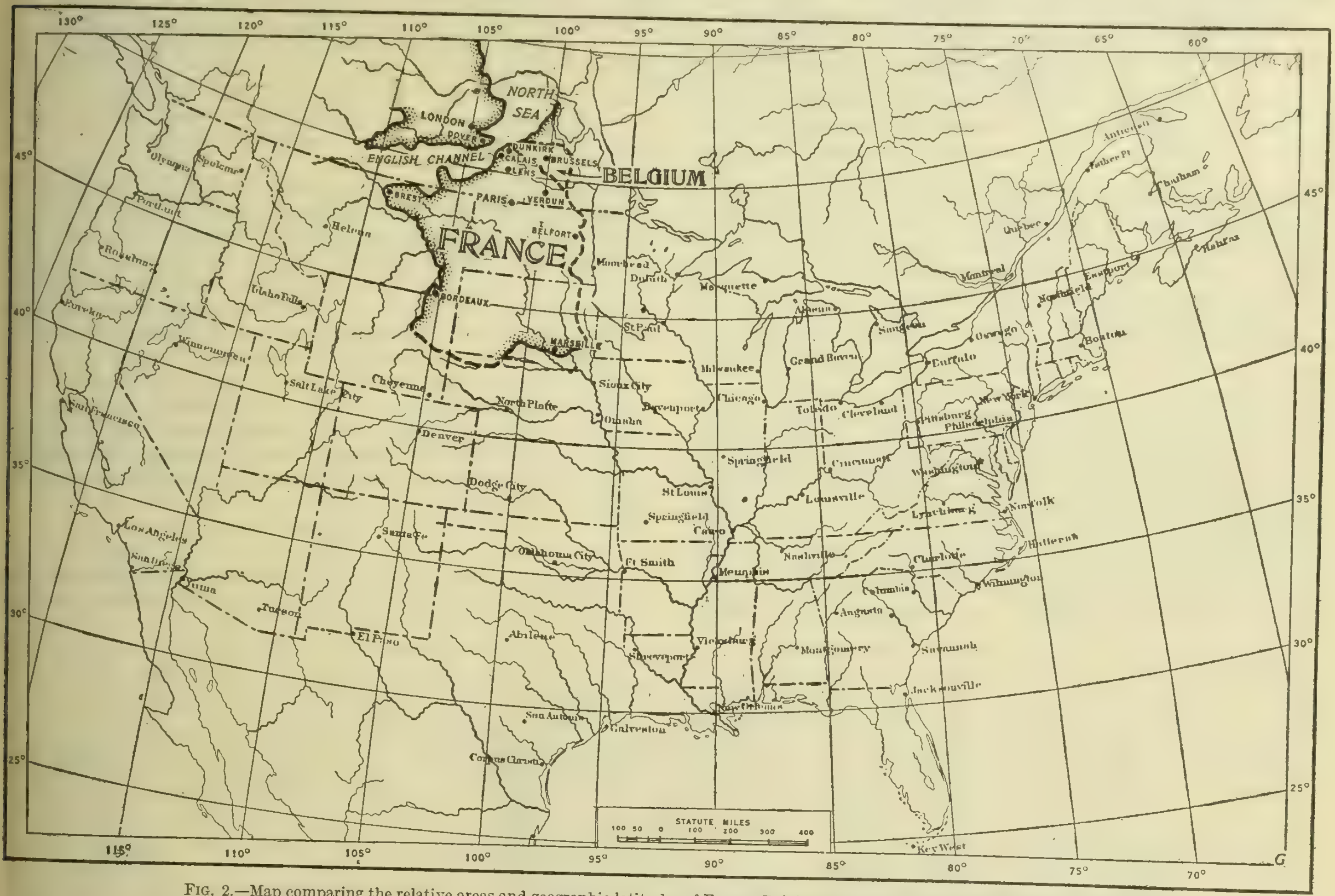

FIG. 2.—Map comparing the relative areas and geographic latitudes of France-Belgium and the United States of North America.

The geographical location of France and Belgium with respect to latitude and their areas as compared with the United States are shown on figure 2, where their outlines are superposed on a chart of the United States and portions of Canada. By referring to this chart it will be seen that in latitude these countries lie largely to the north of the United States. Marseille, the most southerly important city of France, is seen to be farther north than Boston, while Paris is nearly 500 miles farther north than Chicago. Brussels, in latitude 50° 51′, is more than 50 miles farther north than Winnipeg, Canada, or in the same latitude as the southern portion of Hudson Bay. The difference in longitude is such that local time at Paris is approximately five hours later than at New York, that is, when it is noon at New York it is

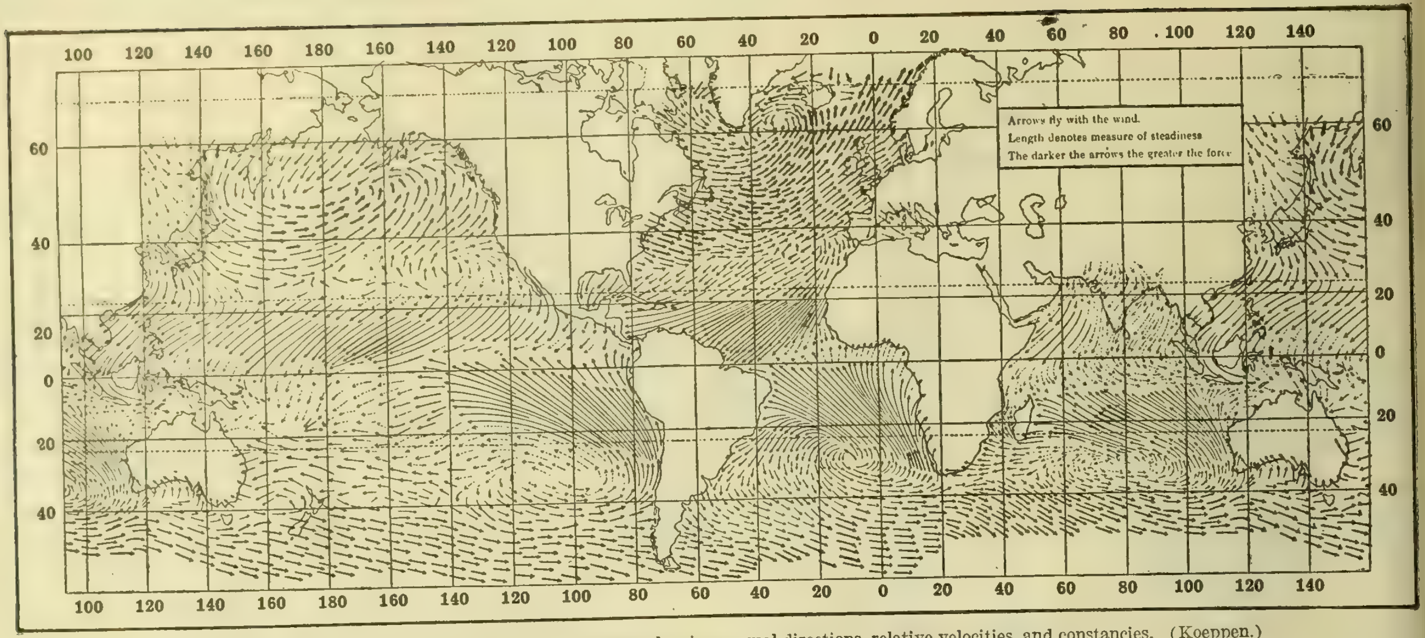
Arrows fly with the wind.
Length denotes measure of steadiness
The darker the arrows the greater the force
100 120 140 160 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140
60 40 20 0 20 40

FIG. 3.—Chart of ocean winds in January and February, showing normal directions. relative velocities, and constancies. (Koeppen.)

already 5 p. m. at Paris; six hours later than at St. Louis; seven hours later than at Denver, and eight hours later than at San Francisco. Thus during the longer days of the year as the sun is setting on our western coast it is rising on the following day in eastern France.

Area and topography.—The area of France is slightly less than 210,000 square miles, that of Belgium is about 11,000 square miles, and the combined area of the two countries about equals that of the States along our Atlantic seaboard from North Carolina to New England, inclusive.

The northwestern half of France and practically the whole of Belgium consists principally of low plains and shallow, open valleys, gradually rising from sea level on the west coast toward the interior, with few elevations exceeding 1,000 feet. The eastern and southeastern portions of France are considerably broken, the land rising in the north portion toward the Ardennes, a series of hills and low mountains in southeastern Belgium and northeastern France, with occasional elevations of 2,000 feet or more near the German (Alsatian) frontier. Farther south the Vosges, forming a portion of the boundary between France and Germany, rise to elevations of 5,000 feet or more, while along the borders of Switzerland and Italy the Jura and outlying peaks of the Alps attain elevations somewhat greater. Along the border between France and Spain some of the higher peaks of the Pyrenees reach elevations of more than 10,000 feet.

Important rivers, a number of which are navigable for considerable distances, drain both France and Belgium, which, together with the extensive systems of connecting canals, afford water transportation to large areas of the inland region.

Climate.

France and Belgium, located as they are, in the region of the eastward drift of the atmosphere, afford in their

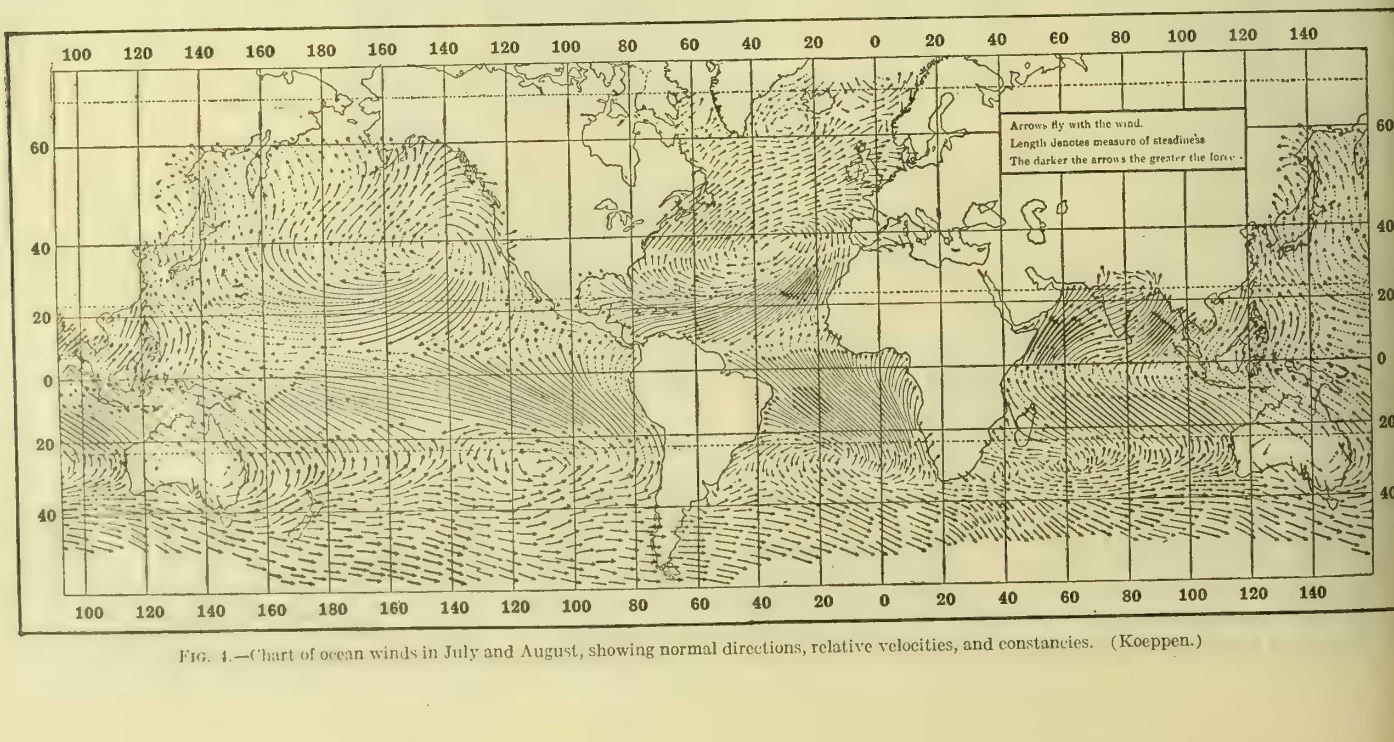
Arrows fly with the wind.
Length denotes measure of steadiness
The darker the arrows the greater the force
100 120 140 160 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140
60 40 20 0 20 40

FIG. 4.—Chart of ocean winds in July and August, showing normal directions, relative velocities, and constancies. (Koeppen.)

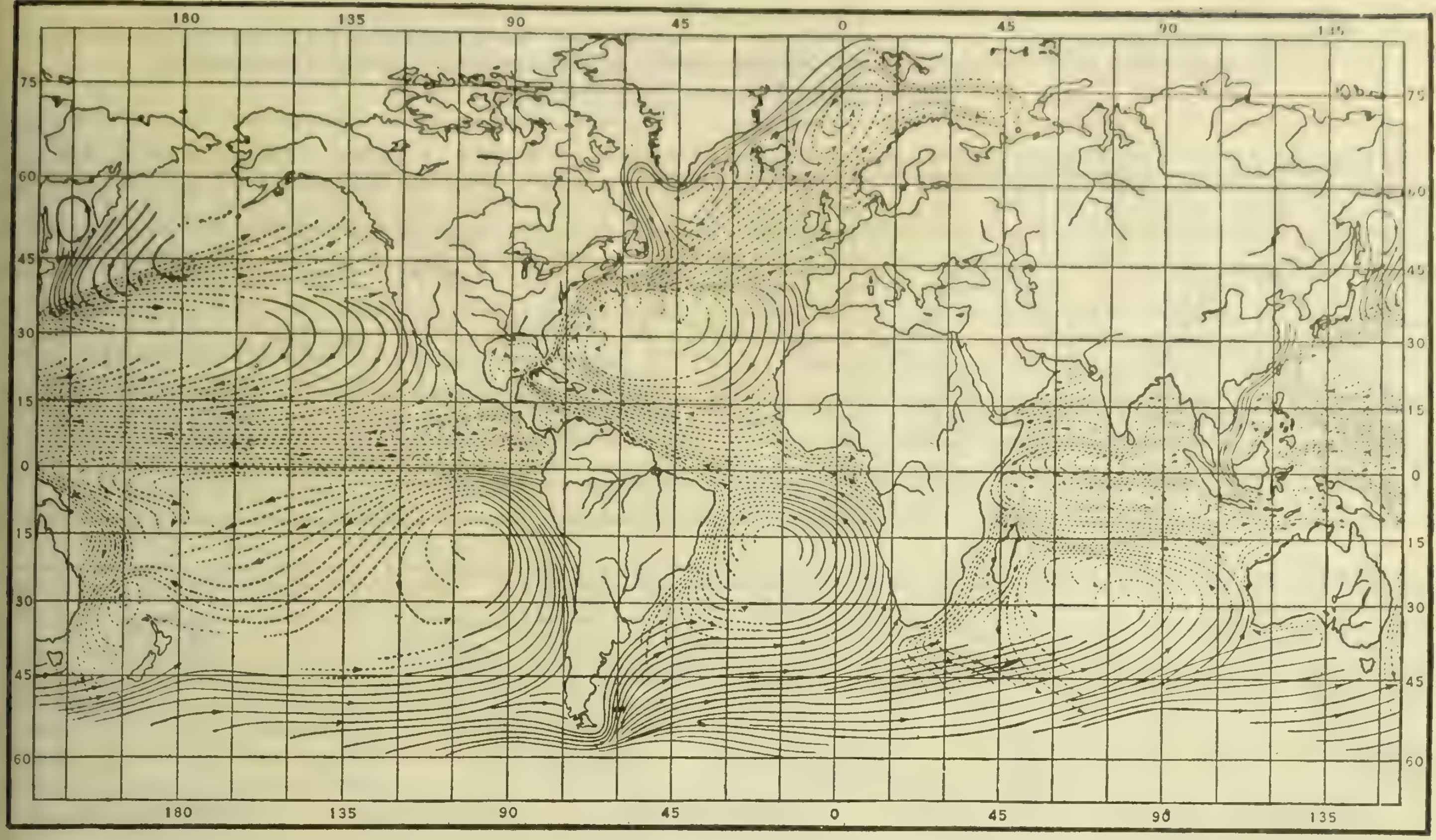

FIG. 5.—Chart of average annual ocean currents. Warm currents indicated by dotted arrows; cooler currents by continuous arrows.

climate an excellent example of the modifying influences exerted upon land areas by the proximity of large bodies of water to their western borders. Water surfaces warm slowly under the direct rays of the sun and also cool slowly in the absence of direct solar radiation, resulting in a comparatively uniform temperature condition. This marine influence is felt in varying degrees over land surfaces adjacent to large bodies of water, its potency and distance reached inland depending on the direction and strength of the surface drift of the atmosphere and the topography of the land. Both the situation and topographic features of France and Belgium are favorable for the marine influence to be felt in a large measure over the greater portion of both countries, the prevailing winds (see figs. 3 and 4) being from off the ocean and with no mountain barriers materially to obstruct their passage to the interior.

The general drift of ocean waters likewise contributes materially to the modification of climate over the adjacent land areas. There are a number of extensive ocean currents which carry large amounts of water for long distances. When these currents have poleward directions they carry relatively warm water into colder regions, and when their flow is equatorward the reverse is true. The great Atlantic Drift, originating in the so-called Gulf Stream, transports relatively warm water from the Gulf of Mexico and adjacent regions into the northeastern portion of the Atlantic Ocean, and the normal westerly winds blowing over these waters carry their warmth to the adjacent land, thus tending to modify further the climate of western Europe. It is of interest to note that while Brest, on the western coast of France, has about the same latitude as Devils Lake, N. Dak., the average January temperature at Brest under these marine influences is 44° F., while at Devils Lake (under continental influences) it is about 0° F. Greater variations are shown in the extremes, where for the vicinity of Brest the lowest observed winter temperature probably does not reach 0° F., while readings of nearly 60 degrees below 0° F. have been observed in the vicinity of Devils Lake. On the other hand, owing to the less rapid cooling of the ocean waters as compared with the land, the ocean winds of summer are cooler than those from the land, and in July the average temperature of Brest is only 64° F., while at Devils Lake it is about 68°.

The general surface drift of the atmosphere over the several oceans in Winter and in Summer is shown by figures 3 and 4, and figure 5 shows broadly the movement of ocean waters. It will be noted from these charts that in the North Atlantic Ocean between Europe and the United States the normal direction of movement for both air and ocean water is northeastward, or toward the European coast.

Temperature.—The outstanding features of the temperature of the countries of western Europe are the comparatively warm winters for such high latitudes, and the relatively cool summers. Along the coasts of northern France and of Belgium temperatures are very similar to those experienced on our own northern Pacific coast, the average monthly temperatures at Dunkirk, France, and at Seattle, Wash., being identical for nearly half the months of the year and differing only slightly for the other months. Farther south over the Atlantic coast districts of France the temperatures throughout the year resemble those of the coasts of southern Oregon and northern California, and during the winter months the averages are not materially different from those of the Carolina and Georgia coasts, but in the latter districts temperatures have a greater variation from day to day and the extremes are decidedly more pronounced. The

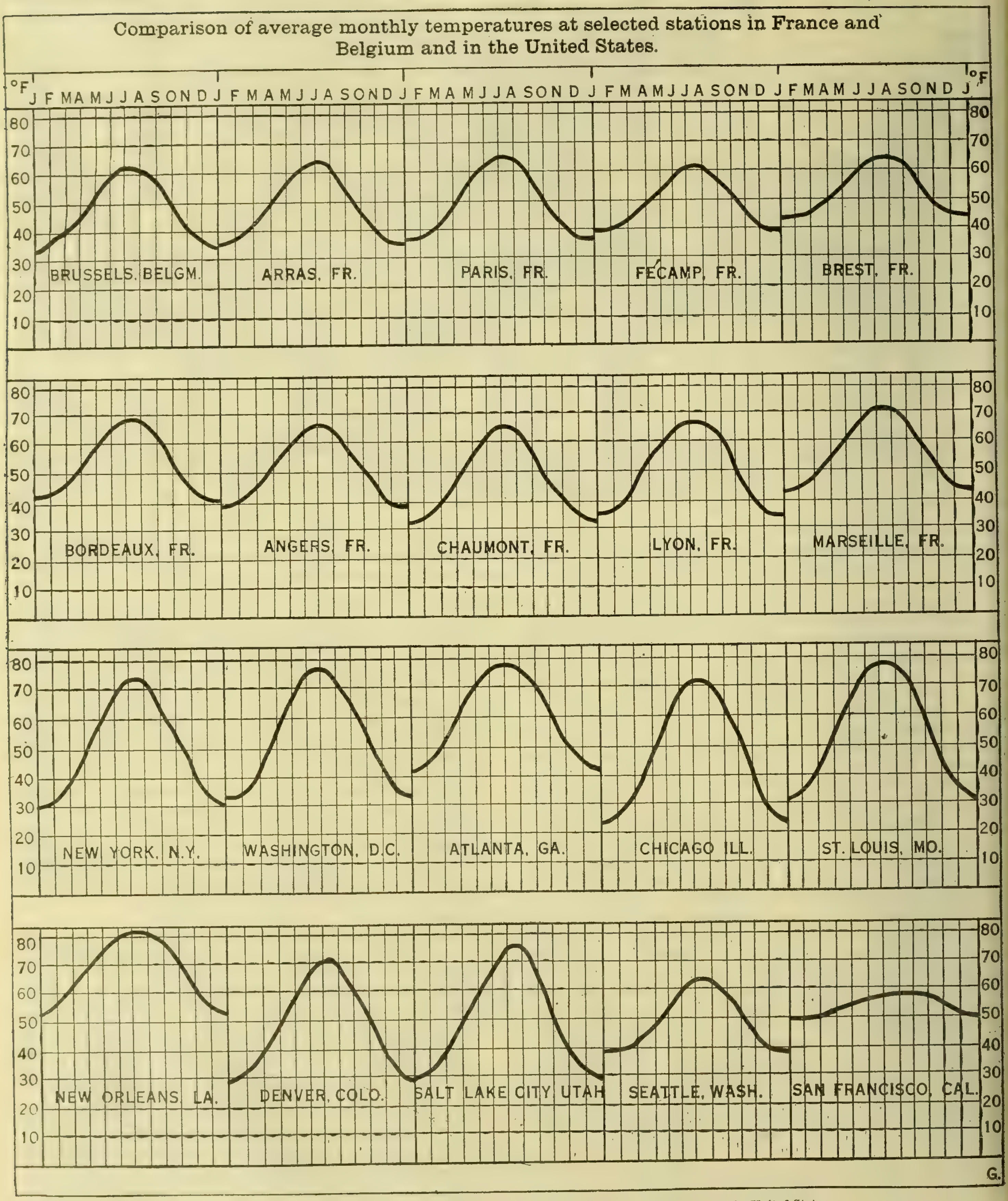

Fig. 6.—Synoptic chart of annual temperature marches at selected stations in France, Belgium, and the United States.

absence of mountain barriers affords the prevailing ocean winds free passage from the coast districts to the interior of these countries; the modifying influences of these ocean winds thus extend far inland, and we find at Paris, for instance, temperature conditions not materially different from those near the coast, nearly 200 miles to the westward.[1]

Over the more eastern districts, where the broken topography and greater elevations interfere with the course of the westerly winds, they no longer exert the strong influence apparent at the lower elevations to the westward, and here we find temperatures showing much wider ranges and conforming more to continental conditions, although the extremes are still far less pronounced than would be expected, considering only the high latitude of the country. Figure 6 presents annual temperature curves for both continents and helps this comparison.

Table 1 shows for a considerable number of stations distributed throughout France and Belgium the average monthly and average annual temperatures, while figure 6 shows graphically similar values for selected points in those countries and in the United States, from which comparisons between different portions of the respective countries can be made. It will be noted by referring to the table and graphs that the chief characteristic of the temperature in France and Belgium is uniformity throughout the year, or the absence of extremely cold weather in winter and extended hot weather in summer. The average temperature for the coldest month, January, in the interior of northern France is a few degrees above freezing, corresponding closely to that experienced at about the latitude of southern Missouri and central Virginia in our own country. However, at the latitude named in the United States the fluctuations in temperature from day to day are usually much greater (except on the Pacific coast) during the winter season than in northern France, and the minima usually go considerably lower.

Winter in northern France is not severe from the standpoint of low temperatures, but there is a constancy of moderately cold weather which is not usually experienced in the United States. Table 2 shows for selected stations in France and in the United States the average daily maximum and minimum temperatures, and Table 3 shows for a number of selected points in France the highest and lowest temperatures of record, while Tables 4 and 5 show the average number of days with minimum temperature as low as or lower than 32° F., and the average number with the temperature continuously below 32° F. throughout the day. From Tables 4 and 5 it will be seen that at Arras near the northern end of the battle line (fig. 1) in January about two-thirds of the days on the average have minimum temperatures as low as freezing or lower and, as a rule, about five days of that month have temperatures continuously below freezing. On the Mediterranean coast the winters are delightful, the average January temperature being about 45° F. and freezing weather infrequent. Rather low temperatures sometimes occur in northern France, but such extremely cold weather as is occasionally experienced in the interior and northern portions of the United States is unknown. The coldest weather of record in that region ranges from about 0° F. to −10° F. In the United States "zero weather" has occurred on the central Gulf coast and −10° F. in the northern portions of the central Gulf States, while along the north-central border of the United States, which corresponds closely with the latitude of France (fig. 2), temperatures from 50 to 60 degrees below 0° F. are of record, and the average of the lowest winter temperature is about −35° F.

Summer in northern France and Belgium is cool, as compared with most of the United States, the average temperature for July and August, the warmest months, being 63° to 65°, even lower than along our northern border. Moderately hot weather sometimes occurs, but extremely high temperatures, such as are occasionally experienced in much of this country, are unknown in France and Belgium. It will be noted from Table 3 that in most of northern France and in Belgium temperatures as high as 100° F. have never been reported, while in the United States 100° to 110° have occurred generally, except in the higher mountain districts and along portions of the coasts. The daily maximum temperatures in northern France and Belgium in midsummer are usually less than 80° and the minimum less than 60° F.

Precipitation.—Table 6 shows for a number of well-distributed stations in France and Belgium, the average monthly and annual precipitation. At the lower elevations the annual precipitation ranges between 20 and 30 inches, but at the higher altitudes, especially at the western extremity of the Pyrenees at the south of France and in the Vosges in eastern France the annual precipitation reaches 60 to 70 inches. The rainfall is rather equally distributed throughout the year, but the maximum amounts occur in the Fall and early Winter and the minimum in the spring months. On the Mediterranean coast rainfall is comparatively heavy during the winter season, but during the summer it is usually very light.

Figure 7 shows graphically for a number of selected stations in France and the United States the average monthly precipitation, permitting comparisons between different portions of the respective countries. Not considering the higher mountains, rainfall in the eastern half of the United States, especially in the South, is much greater than in France and Belgium. Compared with Paris, the average annual rainfall at Chicago is one and one-half times as large; at New York, more than twice as large, and at New Orleans nearly three times as large.

The outstanding feature of rainfall in France and Belgium, when the relatively small totals as compared with the eastern half of the United States are considered, is the frequency of its occurrence. For example, while the average annual rainfall at New Orleans is nearly three times as much as that of Paris, Table 7 shows that rain falls with considerably greater frequency at Paris than at New Orleans. Rainfalls of moderate amounts, 0.25 to 1.00 inch in 24 hours, occur with about as great frequency in France and Belgium as in much of the United States (Table 8), but heavier falls, more than 1.00 inch in 24 hours, rarely occur (Table 9). It will be noted that at Arras, in northern France, only one day had rainfall greater than 1.00 inch during the entire 5-year period from 1907 to 1911, inclusive, while at New Orleans for the same period, amounts of this magnitude were recorded on 63 days.

Snowfall.—In Belgium and over the lowlands of northern France snow is fairly frequent and may be expected from November to April, inclusive, although on account of the rather light character of the precipitation and the moderate temperatures, it rarely attains any considerable depth on the ground. At the higher elevations of eastern and southeastern France, particularly in the mountains bordering on Germany and Switzerland where the winters are long and cold, snowfall is more frequent and much heavier and in some places accumulates to considerable depths. At Brussels snow usually occurs on about 25 days during the year, in the vicinity of Paris snow may be expected on about 15 days, while along the English Channel it probably occurs, as a rule, on less than 10 days.

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[1] A crude comparison between the severity of the winters at Paris and Washington D. C., was published in the MONTHLY WEATHER REVIEW, November, 1914, 42:626–9. —C. A., jr.

The average number of days with snowfall for each of the winter months and the year at a few selected points in Belgium and northern France, is shown in Table 12, and there compared with points in the United States.

Cloudiness.—The average cloudiness for each month of the year is given for selected stations in France and Belgium and in the United States in Table 11, from which comparisons as to this phase of the weather can be made. The amount of cloudy weather in France during the warm season of the year does not differ materially from that in much of our own country, but in winter much more cloudy weather is experienced than in most of the United States, this being especially true in northern France and in Belgium. It will be noted from the records for Nice, Marseille, and Montpellier, that there is abundant sunshine in the Mediterranean coast districts at all seasons of the year.

SUMMARY.

From the standpoint of bodily comfort, the climate of northern France and Belgium may be briefly summarized as follows: The winter weather is rather rigorous and unpleasant, due to the persistence of comparatively low temperatures, much cloudiness and frequent rain and snow. The winds blow mostly from the west or southwest and are frequently damp and chilly, the relative humidity being rather high. The winter nights are long and the days correspondingly short. In the extreme northern portion of France, near the present battle line, the sun sets during the latter half of December a few minutes before 4 p. m., and rises about 8 a. m., making the nights, sunset to sunrise, about 16 hours long.

With the transition from Winter into Spring, the rapid warming up familiar to residents in most sections of the United States, is not so noticeable in France and Belgium, the average temperature for March being only 2 to 4 degrees (F.) higher than for February. April and May are moderately cool and not unpleasant, the length of the day increases much more rapidly than in most sections of the United States, and there is a correspondingly large increase in the amount of sunshine, while rainfall is comparatively light, although occurring rather frequently.

The Summers are pleasant as compared with much of the United States, the day temperatures being mostly moderate and the nights cool. Occasionally hot weather is experienced, but the heat is not excessive and the heated periods are usually of short duration. During the latter part of June the days in northern France and Belgium are more than 16 hours long, the sun rising a little earlier than 4 a. m. and setting after 8 p. m.

Fall also is usually pleasant, especially during September and October, the temperature during these months being, as a rule, considerably higher than for the corresponding spring months. With the advent of Fall the rainfall usually becomes heavier, resulting more from greater intensity of falls than from increased frequency. This usually is the season of maximum rainfall.

TABLE 1.—*Average monthly temperatures (°F.) for 39 localities in France and 4 in Belgium.*

[For locations see map, figure 1, p. [2].]

Station and dates.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.
Dunkirk (1881-1900)	39	40	42	47	52	58	63	63	60	52	44	40	50
Lille (1851-1900)	36	38	41	48	54	60	63	63	58	50	42	37	49
Arras (1876-1900)	35	37	41	48	54	60	63	63	57	49	41	36	49
Mézières (1883-1900)	35	37	41	49	55	62	65	64	58	50	41	36	49
Paris (1871-1900)	36	39	43	50	56	62	65	64	59	50	43	37	50
Rouen (1851-1900)	37	39	42	49	55	61	64	63	59	51	43	38	50
Dieppe (1873-1882)	37	39	41	47	51	57	60	61	57	50	43	39	49
Fécamp (1853-1882)	39	40	43	48	52	58	61	62	58	52	45	40	50
Ste. Marie-du-Mont (1871-1900)	40	41	43	48	53	58	62	62	58	52	46	41	50
Guernsey (1851-1900)	43	43	43	47	51	56	59	59	58	53	48	45	50
Saint Malo (1871-1900)	41	42	45	50	54	59	62	62	59	53	46	42	51
Roscoff (1891-1900)	45	45	46	50	54	58	61	62	59	55	49	46	[illegible]
Brest (1866-1900)	44	44	46	51	55	60	64	64	61	54	48	45	53
Ernée (1881-1895)	38	40	43	49	54	60	63	62	58	50	43	38	50
Lorient (1862-1900)	43	44	46	51	56	62	65	65	61	54	48	44	53
Belle Île (1886-1900)	43	43	45	50	55	60	63	64	61	55	49	45	53
Nantes (1856-1900)	40	42	45	51	56	62	66	65	60	53	45	41	52
Angers (1851-1900)	39	41	45	51	57	63	66	66	60	52	45	39	52
Châteaudun (1891-1900)	36	38	42	50	56	62	66	65	59	50	42	36	55
Auxerre (1886-1900)	36	39	43	51	56	64	67	66	60	51	43	36	10
Chaumont (1881-1900)	33	36	41	49	55	62	65	64	58	49	41	34	49
Langres (1891-1900)	32	35	39	48	54	61	64	63	57	48	39	32	48
Besançon (1891-1900)	33	37	42	50	56	63	66	65	60	50	41	34	50
Moulins (1881-1890)	36	38	43	51	57	63	67	66	60	51	42	36	51
Cluny (1881-1890)	35	38	43	51	56	63	67	66	60	51	43	36	51
Annecy (1876-1900)	31	35	41	50	57	64	67	66	60	50	40	32	49
Lyon (1851-1900)	35	39	44	52	58	64	68	67	61	52	42	35	51
Puy-de-Dôme (1881-1900)	28	29	30	35	41	48	52	52	48	40	34	29	39
Menton (1877-1886)	45	46	49	55	61	68	73	73	69	61	52	47	58
Nice (1884-1900)	44	45	48	53	59	66	72	71	66	58	50	45	56
Marseille (1851-1900)	43	45	49	55	61	68	72	71	65	58	50	44	57
Avignon (1872-1884)	39	44	49	56	63	70	75	73	66	57	47	40	57
Montpellier (1851-1900)	41	44	48	54	61	68	73	72	65	57	48	42	56
Perpignan (1851-1900)	44	46	50	56	61	68	73	72	66	58	51	45	58
Toulouse (1851-1900)	40	42	46	52	58	65	73	72	65	57	48	42	56
Agen (1881-1900)	40	42	46	53	58	65	69	69	64	55	46	40	54
Bagnères (1891-1900)	38	42	44	49	54	60	64	64	60	51	44	39	51
Biarritz (1886-1900)	46	48	50	54	59	64	69	69	65	59	51	47	57
Bordeaux (1851-1900)	41	43	47	53	58	64	68	68	64	55	47	41	54
Belgium:													
Ostend (?)	36	38	42	47	53	59	63	63	60	51	44	39	50
Brussells (1851-1900)	34	36	40	47	53	60	63	62	58	50	41	36	48
Namur (1833-1862)	[a]35	[a]36	[a]40	[a]48	[a]56	[a]64	[a]66	[a]65	[a]57	[a]50	[a]40	[a]37	[a]50
Liége (1833-1862)	[a]35	[a]37	[a]41	[a]49	[a]57	[a]64	[a]67	[a]66	[a]59	[a]52	[a]41	[a]37	[a]50

[a] These averages are for 9 a. m. only.

AUTHORITIES:
For French stations: *Bigourdan*—Climat de la France. Paris, 1916.
For Belgian stations: Ostend from *Blanchard*—La Flandre. Paris, 1906.
Brussels from *Hann*—Handbuch der Klimatologie, 3d ed., v. 3. Stuttgart, 1911. p. 192.
Namur and Liége from *Quetelet*—Météorologie de la Belgique. Bruxelles, 1867.

TABLE 2.—*Average daily maximum and minimum temperatures at selected stations in France, Belgium, and the United States.*

Stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.
Fécamp, France (26 years):[1]												
Maximum	43	46	49	55	60	66	69	69	66	58	49	45
Minimum	34	37	38	42	46	51	55	55	52	47	40	36
Sèvres, France, (near Paris, 10 years):[2]												
Maximum	40	44	50	61	66	73	77	75	70	58	49	42
Minimum	32	32	35	41	45	52	55	55	51	43	38	34
Marseille, France (49 years):[2]												
Maximum	52	55	59	65	71	78	83	82	77	68	59	53
Minimum	36	38	41	46	51	57	61	60	56	50	43	38
Brussels, Belgium (12 years):[3]												
Maximum	41	45	48	60	65	72	74	72	67	58	48	42
Minimum	33	36	37	42	48	55	58	58	53	46	38	34
New York, N. Y.:												
Maximum	37	38	45	57	68	77	82	80	74	63	51	41
Minimum	24	24	31	41	52	61	67	66	60	49	38	28
Atlanta, Ga.:												
Maximum	50	53	62	70	79	85	87	85	81	71	61	52
Minimum	35	37	44	51	60	67	70	69	64	53	44	36
Chicago, Ill.:												
Maximum	37	33	42	54	64	74	80	78	72	60	46	36
Minimum	17	18	28	39	49	59	65	65	58	46	33	23
New Orleans, La.:												
Maximum	62	64	71	76	83	88	89	89	86	78	69	63
Minimum	47	49	56	61	68	74	76	75	72	63	54	48
Denver, Colo.:												
Maximum	42	44	52	60	69	80	86	85	77	65	52	45
Minimum	17	20	27	35	44	52	58	57	48	37	26	20
San Francisco, Cal.:												
Maximum	55	58	60	62	63	65	65	65	68	67	62	56
Minimum	45	47	48	49	50	52	52	53	54	54	51	46

[1] From Annales du Bureau Central Météorologique de France, 1885.

[2] From Annales du Bureau Central Météorologique de France.

[3] From *Académie Royal de Belgique*, Observations des Phénoménes Périodiques, 1859-1870.

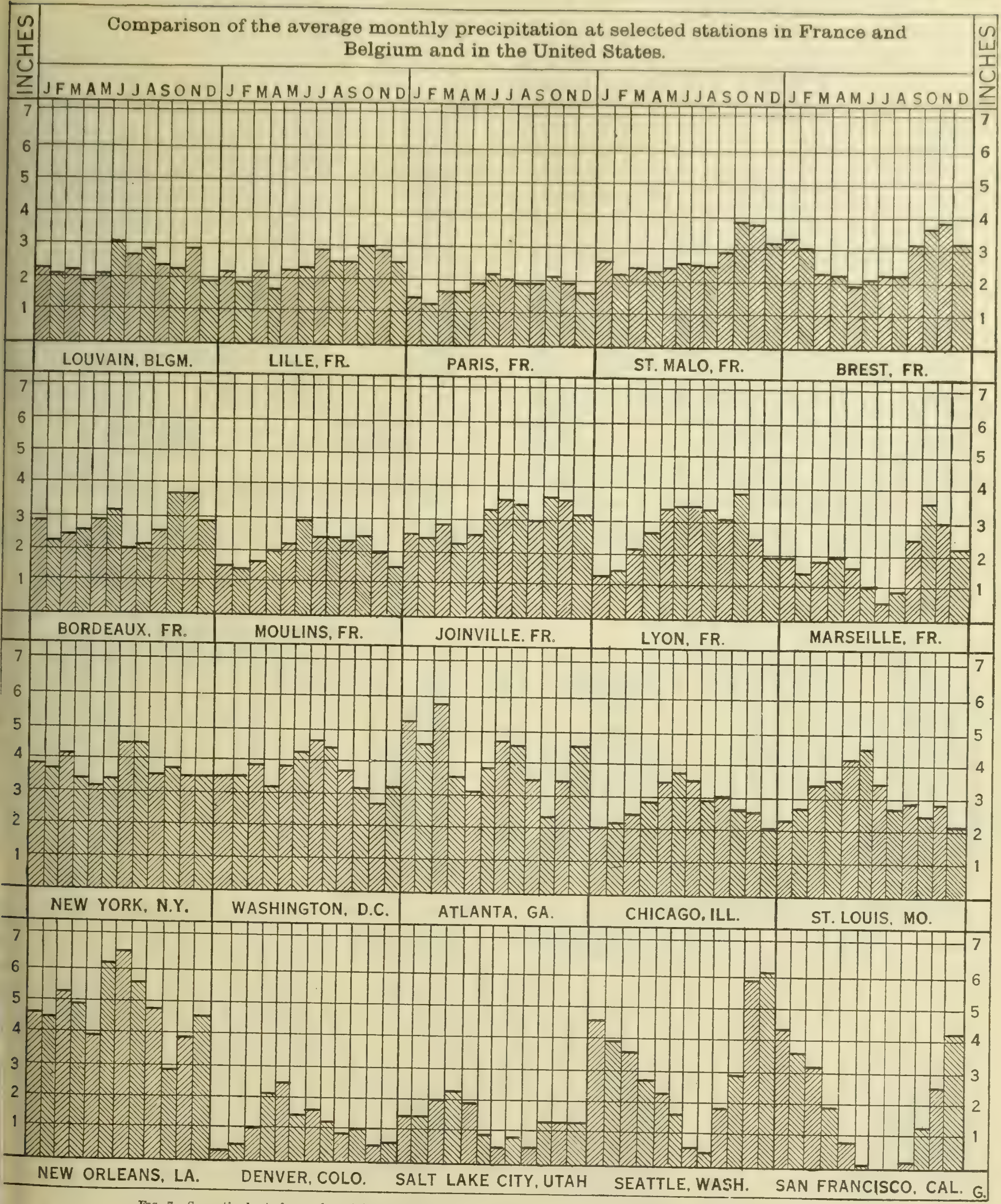

FIG. 7.—Synoptic chart of annual precipitation marches at selected stations in France, Belgium, and the United States.

TABLE 3.—*Highest and lowest temperatures ever recorded at selected stations in France.*

Stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Dunkirk (1881-1900):	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.
Highest	56	65	71	75	87	88	89	97	91	77	70	59	97
Lowest	−1	10	21	32	35	42	45	49	43	30	16	8	−1
Lille (1851-1900):													
Highest	61	63	72	81	90	96	95	95	91	80	66	63	96
Lowest	0	5	18	27	32	37	39	45	37	22	16	−2	−2
Arras (1881-1900):													
Highest	56	64	72	79	91	95	99	96	92	80	68	60	99
Lowest	3	−4	10	26	28	35	41	36	30	26	6	−2	−4
Paris (1851-1900):													
Highest	60	67	75	83	89	95	101	97	97	82	70	62	101
Lowest	7	7	16	26	32	38	43	43	35	26	7	−11	−11
Guernsey (1851-1900):													
Highest	57	59	66	76	77	81	85	87	83	73	66	60	87
Lowest	17	22	27	30	36	41	48	47	40	33	26	24	17
Nantes (1881-1900):													
Highest	64	64	71	83	86	94	102	99	98	83	71	62	102
Lowest	12	5	20	27	30	36	42	39	32	22	18	10	5
Chaumont (1876-1900):													
Highest	61	66	79	83	92	96	104	104	98	80	76	60	104
Lowest	−16	1	2	20	28	34	40	38	29	18	6	−4	−16
Lyon (1851-1900):													
Highest	66	70	79	83	93	95	101	97	95	82	70	64	101
Lowest	−13	10	4	25	29	36	42	43	32	20	14	−8	−13
Montpellier (1851-1900):													
Highest	69	77	82	86	94	102	106	102	98	86	76	70	106
Lowest	3	12	14	26	32	39	43	43	35	21	16	3	3
Bordeaux (1881-1900):													
Highest	67	72	78	84	91	96	103	107	98	86	75	67	107
Lowest	3	17	16	29	35	41	47	47	38	37	16	16	3
Brussels, Belgium, (1851-1900):													
Highest	56	65	70	78	91	94	95	95	88	77	68	60	95
Lowest	−4	2	14	28	31	40	44	45	37	26	11	2	−4

AUTHORITY: Annales du Bureau Central Météorologique de France, 1904.

TABLE 4.—*Average number of days with a minimum temperature of 32° F. or lower at selected stations in France and the United States.*

Stations.	October.	November.	December.	January.	February.	March.	April.	Annual.	Stations.	Annual.
FRANCE.	das.	das.	das.	das.	das.	das.	das.	das.	UNITED STATES.	das
Dunkirk (1881-1900)	0	3	8	10	8	5	0	34	Boston, Mass	105
Arras (1881-1900)	3	8	15	18	16	12	4	76	Washington, D. C	89
Paris (1874-1900)	0	5	11	11	10	6	0	43	Cincinnati, Ohio	83
Fécamp (1871-1900)	0	4	8	10	7	4	1	34	Chicago, Ill	111
St. Marie-du-Mont (1870-1900)	1	4	11	11	8	7	2	44	Kansas City, Mo	97
Roscoff (1891-1900)	0	0	4	4	3	1	0	12	Minneapolis, Minn	148
Nantes (1881-1900)	2	5	11	12	12	8	2	52	Bismarck, N. Dak	182
Angers (1872-1900)	1	4	11	12	9	5	1	43	Denver, Colo	145
Langres (1889-1900)	2	9	20	20	17	12	4	84	Salt Lake City, Utah	106
Besançon (1885-1900)	3	9	20	22	18	13	3	88	Helena, Mont	149
Lyon (1881-1900)	1	6	17	20	15	10	2	71	Seattle, Wash	22
Nice (1885-1900)	0	0	3	5	4	2	0	14	San Francisco, Cal	0
Marseille (1867-1900)	0	2	8	9	5	3	0	27	Los Angeles, Cal	1
Montpellier (1881-1900)	0	2	12	14	10	5	0	43	Santa Fe, N. Mex	140
Perpignan (1881-1900)	0	1	5	8	4	2	0	20	San Antonio, Tex	12
Toulouse (1881-1900)	0	3	11	12	8	5	0	39	New Orleans, La	5
Bordeaux (1881-1900)	1	4	9	11	8	5	0	38	Atlanta, Ga	39

AUTHORITIES:
Annales du Bureau Central Météorologique de France, 1904.
U. S. Weather Bureau.—Climatological data for the States, 1895-1914.

TABLE 5.—*Average number of days with temperature continuously below freezing at selected stations in France and the United States.*

Stations.	Dec.	Jan.	Feb.	Annual.	Stations.	Annual.
FRANCE.	das.	das.	das.	das.	UNITED STATES.	das.
Dunkirk (1881-1900)	2	4	2	8	Boston, Mass	29
Arras (1881-1900)	4	5	2	11	Washington, D. C	15
Paris (1874-1900)	4	4	3	11	St. Louis, Mo	80
Roscoff (1891-1900)	0	0	1	1	Chicago, Ill	47
Nantes (1881-1900)	2	2	1	5	Minneapolis, Minn	77
Angers (1872-1900)	3	3	1	7	Bismarck, N. Dak	89
Langres (1889-1900)	11	11	6	28	Denver, Colo	23
Besançon (1885-1900)	6	8	3	17	Salt Lake City, Utah	22
Nice (1885-1900)	0	0	0	0	Seattle, Wash	2
Marseille (1881-1900)	0	1	0	1	San Francisco, Cal	0
Montpellier (1881-1900)	0	0	0	0	Santa Fe, N. Mex	14
Perpignan (1881-1900)	0	1	0	1	San Antonio, Tex	1
Toulouse (1881-1900)	1	2	0	3	New Orleans, La	0
Bordeaux (1881-1900)	1	2	0	3	Atlanta, Ga	3

AUTHORITIES:
Annales du Bureau Central Météorologique de France, 1904.
U. S. Weather Bureau—Climatological data for the States, 1895-1914.

TABLE 6.—*Average monthly and annual precipitation at selected stations in France and Belguim.*

Stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
France: [a]	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
Dunkirk	2.16	1.54	1.69	1.65	1.89	2.13	2.44	2.87	2.80	3.19	3.23	2.60	28.19
Lille	2.13	1.81	2.20	1.65	2.24	2.28	2.76	2.52	2.52	3.03	2.84	2.48	28.46
Albert	2.00	1.65	1.89	1.54	2.13	2.24	2.68	2.20	2.24	2.48	2.36	2.28	25.69
Paris	1.42	1.10	1.46	1.54	1.85	2.09	1.97	1.85	1.89	2.13	1.89	1.58	20.77
Rouen	2.17	1.69	2.05	1.77	2.09	2.28	2.68	2.48	2.52	2.76	2.68	2.56	27.73
St. Malo	2.72	2.13	2.32	2.21	2.28	2.52	2.44	2.28	2.91	3.78	3.66	3.23	32.48
Brest	3.31	2.95	2.24	2.13	1.93	2.01	2.09	2.13	3.07	3.58	3.78	3.23	32.45
Joinville	2.64	2.52	2.84	2.28	2.52	3.31	3.58	3.35	3.03	3.74	3.62	3.19	36.62
Besançon	3.11	2.60	3.39	3.50	3.90	4.41	3.66	3.50	3.42	4.61	4.09	3.43	43.62
Moulins	1.42	1.34	1.69	2.01	2.21	2.95	2.44	2.40	2.32	2.44	1.89	1.54	24.65
Lyon	1.34	1.42	2.13	2.64	3.27	3.35	3.42	3.27	2.95	3.78	2.56	1.93	32.06
Clermont Ferrand (near Puy-de-Dôme)	1.10	1.14	1.34	1.65	2.36	2.80	2.24	1.97	2.24	2.24	1.50	1.26	21.84
Marseille	1.93	1.38	1.81	2.05	1.57	1.02	0.51	0.99	2.40	3.47	2.99	2.20	22.32
Montpellier	3.46	2.52	2.40	2.52	2.28	1.46	0.91	2.09	2.76	4.53	3.07	2.91	30.91
Toulouse	1.81	1.57	1.97	2.80	2.80	3.07	1.69	1.93	2.28	2.60	1.93	1.65	26.22
Perpignan	1.85	1.65	1.93	1.97	1.93	1.38	0.87	0.91	1.77	2.60	1.38	1.50	19.74
Bagnères	3.66	3.66	4.72	5.12	4.80	5.05	2.42	2.72	3.27	4.20	4.45	3.19	47.32
Bordeaux	2.80	2.28	2.52	2.64	2.91	3.19	2.01	2.16	2.60	3.70	3.66	2.91	33.38
Belgium:													
Ostend [b]	2.05	1.57	1.89	1.54	1.93	1.93	2.24	2.91	2.76	2.56	3.11	2.28	26.77
Ghent [c]	2.28	1.89	2.01	1.93	2.40	2.72	3.11	3.19	2.83	3.39	2.95	2.76	31.46
Louvain [d]	2.28	2.09	2.20	1.93	2.13	3.15	2.68	2.83	2.36	2.28	2.84	1.89	28.66
Namur [e]	1.73	1.42	1.61	1.77	2.05	2.60	2.95	2.84	2.13	2.32	1.97	2.28	25.67
Liége [f]	2.09	1.93	1.97	2.05	2.36	2.79	2.91	3.19	2.48	2.72	2.48	2.52	29.49
Brussels [g]	2.20	1.85	1.97	1.85	2.28	2.52	2.87	3.03	2.56	2.80	2.52	2.40	28.85

[a] Period 1861-1890.
[b] Period 1861-1882.
[c] Period 1838-1874, 1878-1890.
[d] Period 1836-1848.
[e] Period 1849-1863, 1877-1890.
[f] Period 1847-1890.
[g] Period 1833-1896.

AUTHORITIES:
France—Annales du Bureau Central Météorologique de France, 1895.
Belgium—*Lancaster*—La Pluie en Belgique. Bruxelles, 1894.

TABLE 7.—*Average number of days with precipitation, trace or more, for the 5-year period 1907-1911, at selected stations in France and in the United States.*

Stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
France:	das.	das.	das.	das.	das.	das.	das.	das.	das.	das.	das.	das.	das.
Nancy	13	16	14	13	14	14	14	12	11	13	17	19	170
Paris	16	17	17	17	17	16	14	11	12	16	16	19	188
Arras	19	19	19	17	15	15	18	14	16	19	22	22	215
Brest	17	16	21	17	13	14	11	11	10	22	20	25	197
Marseille	6	5	12	10	10	8	3	3	8	13	10	13	101
United States:													
New York, N. Y	18	15	16	15	16	13	10	14	11	11	14	13	166
Washington, D. C	17	14	16	16	16	16	14	15	11	11	12	13	171
Atlanta, Ga	13	13	11	14	14	14	19	15	10	8	11	14	156
Chicago, Ill	19	15	14	18	16	13	13	12	13	11	15	19	178
St. Louis, Mo	14	14	11	15	15	15	13	11	12	11	9	14	154
New Orleans, La	10	10	8	12	13	16	20	21	17	9	9	14	159
Denver, Colo	6	8	8	11	16	13	17	17	12	9	7	9	133
Salt Lake City, Utah	14	13	14	12	12	11	9	11	9	9	8	14	136
Seattle, Wash	22	20	18	16	15	12	7	6	11	15	21	20	183
San Francisco, Cal	21	15	14	6	7	4	3	1	4	7	7	13	102

AUTHORITIES:
France—Annales du Bureau Central Météorologique de France, 1907-1911.
United States—*Weather Bureau* Climatological data for the States, 1907-1911.

TABLE 8.—*Average number of days with precipitation from 0.25 to 1.00 inch, for the 5-year period 1907-1911, at selected stations in France and the United States.*

Stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
France:	das.	das.	das.	das.	das.	das.	das.	das.	das.	das.	das.	das.	das.
Nancy	2	3	2	1	2	5	4	2	2	4	4	5	36
Paris	1	1	1	2	3	3	2	2	2	5	3	3	28
Arras	3	2	1	3	4	4	3	1	2	5	4	5	37
Brest	3	3	3	2	2	1	2	1	2	6	5	6	36
Marseille	1	1	2	3	1	1	0	1	2	4	3	3	22
United States:													
New York, N. Y	4	4	3	4	3	4	2	2	3	3	3	3	38
Washington, D. C	4	4	3	3	4	4	3	3	2	3	3	3	39
Atlanta, Ga	3	5	3	4	4	4	3	4	3	3	2	4	42
Chicago, Ill	3	3	3	4	6	4	3	2	2	2	3	3	38
St. Louis, Mo	2	3	3	4	4	4	2	3	4	2	4	2	37
New Orleans, La	2	3	1	2	3	4	4	4	5	2	2	3	35
Denver, Colo	0	0	0	1	3	1	2	3	1	0	1	1	13
Salt Lake City, Utah	2	3	3	2	4	1	0	2	2	3	2	2	26
Seattle, Wash	6	5	2	2	3	1	0	0	2	3	6	6	36
San Francisco, Cal	8	5	5	0	0	0	0	0	0	1	2	4	25

AUTHORITIES: Same as for Table 7 above.

Table 9.—*Total number of days with precipitation from 1.01 to 2.00 inches, and with more than 2.00 inches, for the 5 year period 1907–1911, at selected stations in France and in the United States.*

France.			United States.		
Stations.	1.01 to 2.00 inches.	Over 2.00 inches.	Stations.	1.01 to 2.00 inches.	Over 2.00 inches.
	Days.	*Days.*		*Days.*	*Days.*
Nancy	5	0	New York, N. Y.	36	1
Paris	3	0	Washington, D. C.	39	6
Arras	1	0	Atlanta, Ga	42	8
Brest	1	1	Chicago, Ill	39	3
Marseille	9	4	St. Louis, Mo	47	4
			New Orleans, La	63	29
			Denver, Colo	9	1
			Salt Lake City, Utah	3	0
			Seattle, Wash	16	0
			San Francisco, Cal	17	2

Authorities: Same as for Tables 7 and 8 above.

Table 10.—*Average number of days with snowfall, at stations in France and United States.*

Stations.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	Annual.
France:							
Paris—Parc St. Maur (1873–1903)[a]	1	3	4	3	3	1	15
Montdidier (1781–1869)[b]	1	3	4	3	3	1	15
Fécamp (1853–1882)[c]	0	2	2	2	2	0	8
Brussels, Belgium (1833–1850)[d]	1	4	6	5	5	2	23
United States:							
New York							20
Washington							14
Atlanta, Ga							7
Chicago, Ill							30
Kansas City, Kans							19
Oklahoma, Okla							7
Denver, Colo							33

[a] Annuaire de la Société Météorologique de France, 1905 (Paris).
[b] Annales du Bureau Central Météorologique de France, 1895.
[c] Annales du Bureau Central Météorologique de France, 1885.
[d] *Quetelet:* Climat de la Belgique, Bruxelles, 1857.
For the United States, see Table 8 above.

Table 11.—*Average cloudiness, in percentages of total sky, at selected station in France and Belgium and in the United States.*

The values given in this table for France and Belgium are averages for the various hours of observation and probably approximate the daily averages, the records in most cases covering periods of at least 10 years. Those for the United States represent the normal average daily cloudiness, *sunrise to sunset*, for a long period of years.

Stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
France:	%	%	%	%	%	%	%	%	%	%	%	%	%
Dunkirk	72	71	63	59	57	58	55	62	60	71	76	72	65
Paris—Parc St. Maur	73	72	65	59	56	51	55	44	51	53	62	71	60
Rouen	65	64	58	56	51	52	49	52	58	61	67	67	58
Brest	71	71	70	64	56	67	64	60	61	69	75	64	66
Angers	68	61	57	56	52	53	51	53	56	61	69	69	59
Nantes	75	66	63	64	58	60	57	54	56	61	75	66	63
Besançon	60	64	58	55	51	53	48	48	49	59	65	65	55
Cluny	62	53	57	53	45	43	39	39	39	61	63	65	52
Nice	36	34	32	43	38	29	25	33	33	37	33	34	34
Marseille	47	47	41	46	46	36	23	30	42	44	42	49	41
Montpellier	39	38	36	40	36	31	26	28	35	39	40	41	36
Toulouse	68	57	57	59	57	55	44	45	50	52	61	66	56
Brussels, Belgium	77	78	71	62	63	67	63	65	58	65	75	79	69
United States:													
New York	58	54	56	54	53	51	51	51	48	48	54	56	53
Washington	58	54	55	50	50	48	46	48	45	45	51	54	50
Atlanta	57	55	51	49	47	50	54	54	47	38	45	53	50
Chicago	59	56	57	52	48	47	40	40	43	48	58	61	52
St. Louis	53	54	55	51	50	48	44	39	38	35	51	58	48
New Orleans	54	53	49	47	44	47	52	50	43	38	46	53	48
Denver	37	40	46	49	52	41	41	44	35	36	37	38	41
Salt Lake City	59	58	55	51	47	34	30	34	30	38	47	58	45
Seattle	77	71	64	60	65	58	42	42	56	67	75	79	63
San Francisco	53	49	48	41	40	35	41	43	33	35	42	50	43

Authorities:
France—Annales du Bureau Central Météorologique de France, 1884.
United States, as above.

Table 12.—*Prevailing wind directions and average relative humidities for Montpellier, Sèvres, and Brussels.*

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
	Prevailing winds.												
Sèvres (10 years)	SW	SW	W	SW	NE	W	W	W	W	SW	SW	SW	SW
Brussels (8 years)	SW	SW	SW	SW	SW	N	SW	SW	SW	SW	SW	SW	SW
	Average relative humidity.												
Sèvres (10 years)	%	%	%	%	%	%	%	%	%	%	%	%	%
7 a. m.	89	89	89	79	73	72	76	82	90	94	92	92	....
12 noon	78	69	60	51	51	51	54	55	58	68	76	80	....
9 p. m.	85	82	78	72	74	76	77	79	83	90	90	89	....
Montpellier (14 years):													
9 a. m.	82	76	70	67	62	58	56	57	66	71	80	80	....

Authorities: Annual reports of the French and Belgian meteorological services.

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U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

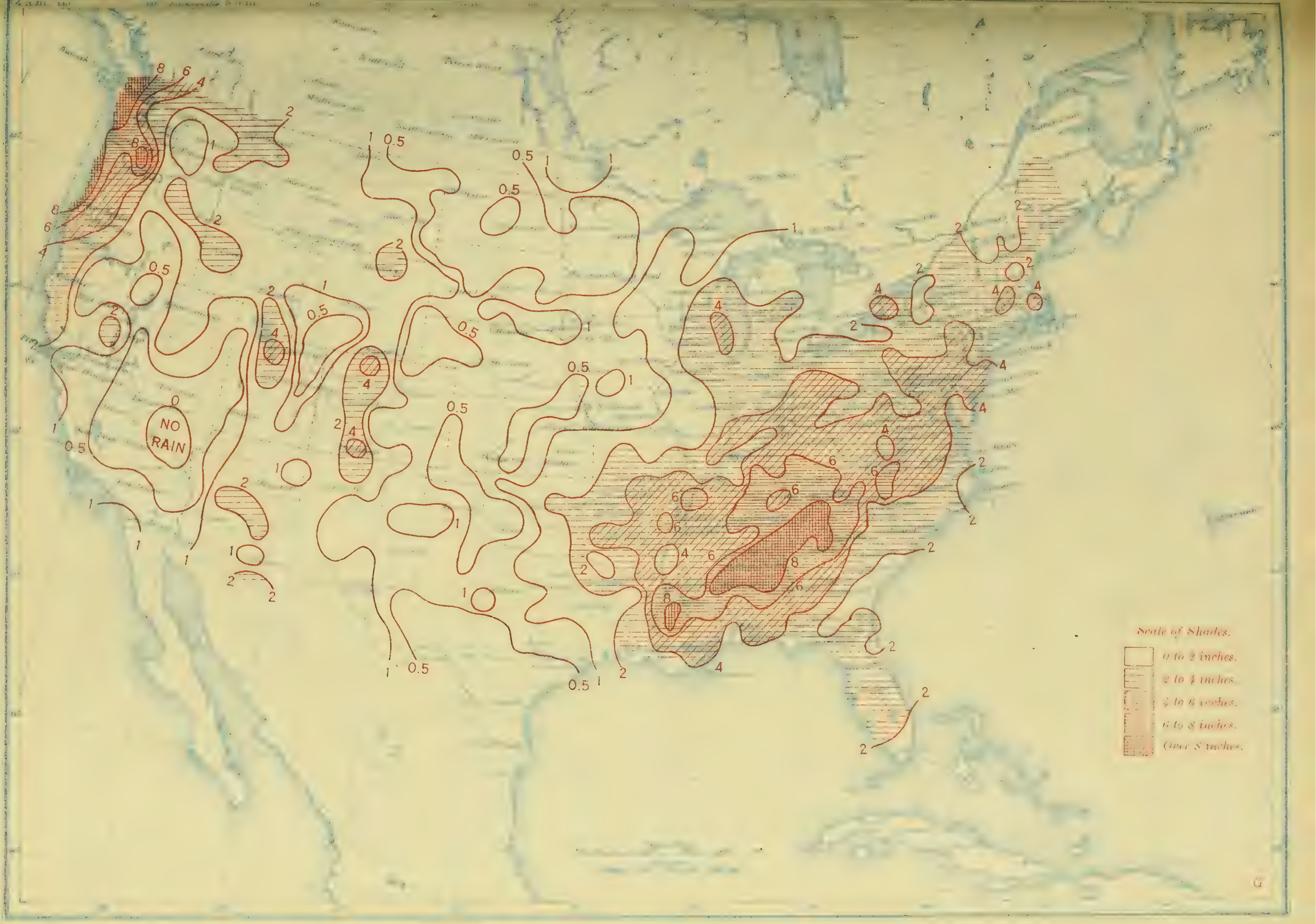
CLIMATOLOGICAL DATA

NEVADA SECTION

JANUARY, 1918

BY
HENRY F. ALPS
METEOROLOGIST

RENO, NEV.
WEATHER BUREAU OFFICE
FEBRUARY 19, 1918.


NO RAIN
Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALPS, Meteorologist.

VOL. XXXIII. RENO, NEVADA, JANUARY, 1918. No. 1.

GENERAL SUMMARY.

January was unusually warm throughout Nevada, and extremely dry in the south and west portions. The monthly mean temperature was nearly 15° higher than the mean for the same month last year. The precipitation over the northeastern one-third of the State averaged about normal, and portions of Elko, Eureka, and Lander Counties received much more than the normal amount of moisture. There were places in the southern tier of counties extending from Clark to Mineral where no measurable precipitation occurred, and the total amount of moisture over the greater portion of the south and west border counties, including Churchill, was too light to be of practical benefit to the agricultural and stock interests. Over the areas where the precipitation was fairly heavy, it occurred almost daily from the 6th or 7th until the 18th, and from the 25th until the 30th, especially in the mountain regions. January was the sixth consecutive month with the monthly average precipitation for the State below normal. The deficiencies were small in August, September, and November, and large in October and December.

Plowing and leveling continued in some districts without interruption by severe weather. In many valleys the soil was too dry for working, and in some localities there was no plowing or breaking of new ground because of the labor situation. Winter crops were doing well, but moisture was needed. There was some irrigation of grain and some grain was seeded in Clark County. Cattle were in good condition, but some losses from rabid coyotes were reported in portions of Elko and Humboldt Counties. Sheep fed on ranches were in excellent condition, but the low water supply, due to light snowfall caused some losses on the desert ranges.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 42 stations, was 32.6°. The mean for the 28 stations having ten or more years' record was 2.7° above normal. The highest recorded was 80°, at Las Vegas on the 2d and 5th; the lowest was −25°, at Gold Creek on the 31st. The greatest daily range was 59°, at Quinn River Ranch on the 2d. The highest monthly mean was 47.2°, at Las Vegas; the lowest was 18.9°, at Gold Creek.

PRECIPITATION.

The average for 50 stations reporting was 0.70 inch. For the 31 stations having ten or more years' record, the mean was 0.41 inch below the normal. The average amount at 4 stations in the Columbia Basin was 2.10 inches; at 18 stations in the Humboldt Basin, 1.09 inches; at 5 stations in the Truckee Basin, 0.86 inch; at 5 stations in the Carson Basin, 0.25 inch; at 5 stations in the Walker Basin, 0.08 inch; at 2 stations in the Colorado Basin, 0.04 inch; at 17 stations in the minor basins, 0.28 inch. The greatest monthly fall was 2.87 inches, at Clover Valley; there was none at three stations. The average number of days with precipitation was 4.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric pressure (sea level).			Mean relative humidity		Wind			
						Average hourly velocity	Max. velocity		
	Mean	Highest.	Lowest.	5 a. m.	5 p. m.		Miles per hour	Direction	Date
Reno	30.17	30.58	29.68	70	40	[illegible]	40	w.	[illegible]
Winnemucca	30.17	30.59	29.64	79	57	7.0	28	nw.	26
Tonopah	30.11	30.37	29.65	66	54	9.7	37	nw.	9

SUNSHINE AND CLOUDINESS.

At Reno, 68 per cent of the possible sunshine was recorded; at Winnemucca, 71 per cent; at Tonopah, 82 per cent. For the State, the average number of clear days was 14; partly cloudy, 8; cloudy, 9.

MISCELLANEOUS PHENOMENA.

(Dates of.)

Brisk winds.—6, 7, 9, 10, 14, 18, 19, 26, 27, 28, 29, 30, 31.
Solar halos.—6.
Lunar halos.—3, 20, 21, 23, 24, 25.
Mock suns.—3, 8.
Fog.—17.

COMPARATIVE DATA FOR JANUARY.

Year.	Temperature.			Average precipitation.	Average snowfall	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1890	20.4	73	-42	3.81	35.1	10	11	8	12	s.
1891	27.6	68	-25	0.21	2.0	2	13	10	8	ne.
1892	26.7	73	-25	0.53	4.4	1	16	8	7	s.
1893	29.7	65	-28	1.59	10.9	4	16	5	10	s.
1894	28.0	70	-30	1.42	12.8	6	10	8	13	sw.
1895	25.9	61	-30	2.42	18.1	7	9	8	14	sw.
1896	33.9	79	-26	1.80	4.0	6	9	8	14	sw.
1897	30.2	65	-15	0.92	8.6	5	10	8	13	s.
1898	20.4	63	-28	0.69	6.8	4	12	9	10	n.
1899	31.8	65	-12	1.20	12.0	6	11	7	13	w.
1900	35.7	71	-10	0.42	0.5	2	16	5	10	sw.
1901	30.1	75	-19	1.51	8.3	5	13	6	12	sw.
1902	28.4	69	-32	0.51	6.4	4	12	9	10	sw.
1903	32.0	72	-16	1.81	9.8	3	16	5	10	sw.
1904	27.1	71	-22	0.53	4.4	3	17	6	8	sw.
1905	34.5	72	-11	0.66	2.1	3	11	8	12	s.
1906	28.7	66	-15	2.31	12.7	4	13	6	12	sw.
1907	27.0	73	-28	2.22	20.2	7	8	9	14	sw.
1908	32.5	75	-17	0.97	6.2	5	11	9	11	w.
1909	35.6	77	-16	2.47	6.3	6	9	10	12	sw.
1910	22.1	70	-28	1.28	11.4	4	12	8	11	sw.
1911	31.7	70	-28	2.76	12.6	8	13	6	12	s.
1912	31.5	73	-29	0.53	3.0	3	12	10	9	s.
1913	26.7	71	-38	0.69	8.8	4	16	6	9	w.
1914	34.2	87	-25	3.06	18.2	7	10	8	13	sw.
1915	30.2	78	-25	0.68	5.0	4	13	7	11	sw.
1916	24.1	66	-31	3.52	36.1	11	9	6	16	sw.
1917	17.8	68	-38	0.63	7.2	3	19	5	7	n.
1918	32.6	80	25	0.70	5.6	1	14	8	9	n.
Entire period	28.9	87	-42	1.44	10.3	5	12	8	11	sw.

LATE REPORTS.

November, 1917.—Clover Valley, mean temperature, 40.7°; highest, 72° on the 2d; lowest, 3° on the 27th; total precipitation, 1.26 inches; number of days with precipitation, 3; clear, 16; partly cloudy, 3; cloudy, 11.

December, 1917.—Clover Valley (3 days missing from temperature record), mean temperature, 39.3°; highest, 66° on the 2d; lowest, 7 on the 6th; no precipitation; number of clear days, 15; partly cloudy, 6; cloudy, 10. Duck Flat, total precipitation, 0.13 inch; number of days with precipitation, 1; clear, 21; partly cloudy, 5; cloudy, 5.

CORRECTIONS.

January, 1917.—The departure from the normal precipitation at San Jacinto should be −0.35. The total snowfall at Tonopah should be 6.3 inches.

March, 1917.—The departure from normal precipitation at Lamoille should be −0.45.

July, 1917.—The minimum temperature at San Jacinto should be 32°. The minimum temperature at Gold Creek should be 34° on the 11th.

September, 1917.—At Gold Creek the date of maximum temperature should be 1.

November, 1917.—At Gerlach the date of minimum temperature should be 21.

December, 1917.—At Beowawe the departure from the normal precipitation should be −0.81. At Winnemucca the highest barometric pressure should be 30.61. At Bridgeport the maximum temperature should be 61° on the 6th.

Climatological data for January, 1918.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days.				Prevailing direction of the wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	5	18.9^{c}	......	50^{c}	1	−25^{c}	31	37^{c}	5	1.95	......	0.65	46.0	12	11	9	11	n.	U. S. Forest Service.
Mahoney Ran. Sta.**	do	6,200	3	......	......	......	......	−17^{i}	31	....	3	2.38	......	0.62	22.5	10	4^{i}	4^{i}	14^{i}	......	Do.
Owyhee	do	5,400	7	29.9^{a}	......	67^{a}	2	−12^{a}	31	37^{a}	7	2.83	......	0.56	21.5	16	7^{a}	8^{a}	15^{a}	w.	E. A. Schwab.
San Jacinto	do	5,200	13	29.0	+2.7	65	1	−13	31	48	13	1.26	+0.64	0.32	10.0	6	9	12	10	nw.	Utah Construction Co.
Humboldt Basin.																					
Arthur	Elko	6,500	...	......	......	......	......	......	......	....	8	2.60	+1.31	0.62	22.2	10	14	7	10	nw.	Isaac Woodhouse.
Austin	Lander	6,594	29	28.4^{b}	−0.4	65^{i}	2	−6^{i}	10	35	29	1.62	+0.45	0.45	15.0	7	10^{i}	8^{h}	11^{b}	......	Forest Service.
Battle Mountain	do	4,513	47	32.9	+4.1	66	5	2	10	50	49	0.08	−0.79	0.05	0.4	2	12	3	16	......	Southern Pacific Co.
Beowawe	Eureka	4,695	47	30.8	+3.6	60	†1	1	10	46	49	1.05	+0.28	0.50	5.4	10	7	19	5	nw.	Do.
Clover Valley**	Elko	6,000	17	31.1^{d}	+6.0	65^{d}	1	−10^{d}	31	45^{d}	25	2.87	+0.72	1.53	......	5	14	4	13	......	J. D. Weeks.
Elko	do	5,063	47	29.0	+6.0	60	1	−4	31	45	48	1.36	−0.31	0.70	3.0	5	7	17	7	sw.	Western Pacific Co.
Eureka	Eureka	6,837	20	27.6	0.0	65	2	−6	27	37	22	1.00	−0.55	0.38	14.0	7	9	10	12	n.	Clay Simms.
Golconda	Humboldt	4,392	39	31.6	+2.1	57	1	1	9	37	41	0.16	−0.57	0.08	2.0	2	3	24	4	w.	Southern Pacific Co.
Hylton**	Elko	7,081	...	......	......	......	......	......	......	....	8	2.07	......	1.02	12.0	6	11	13	7	......	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	5	32.0	+1.7	60	†1	0	9	45	5	0.49	−0.17	0.23	0	3	17	0	14	......	Southern Pacific Co.
Lamoille	Elko	6,100	3	29.6	......	73	2	9	21	44	3	1.81	+0.02	0.47	12.3	7	10	9	12	se.	Elko-Lamoille Power Co.
Lovelock	Humboldt	3,977	24	30.2	−1.7	57	†5	0	10	43	22	0.36	−0.31	0.28	......	2	11	0	20	n.	John R. Montgomery.
Metropolis §	Elko	5,661	5	25.3	......	59	2	−14	31	40	9	0.66	−0.74	0.25	2.5	5	10	11	10	......	L. F. Hatch.
North Fork	do	6,500	...	......	......	......	......	......	......	....	9	0.45	......	0.21	6.0	5	8	8	15	s.	Roy C. Pratt.
Paradise Valley	Humboldt	4,500	5	32.0	......	63	3	2	31	46	9	0.64	......	0.30	7.2	4	10	8	13	n.	F. C. Buckingham.
Potts	Nye	6,002	25	21.0	−3.5	45	24	−16	26	48	27	0.32	−0.21	0.16	4.0	2	24	6	1	n.	Miss Irene Potts.
Tecoma	Elko	4,812	40	28.8	+5.9	59	5	−3	31	45	42	1.04	+0.42	0.30	10.0	7	7	20	4	n.	Southern Pacific Co.
Winnemucca	Humboldt	4,344	41	31.8	+3.0	61	2	−1	10	44	49	1.04	0.00	0.52	5.9	6	7	11	13	sw.	U. S. Weather Bureau.
Truckee Basin.																					
Marlette Lake**	Washoe	7,900	3	24.0^{a}	......	52^{a}	2	7^{a}	†10	31^{b}	5	1.29	......	0.66	13.0	7	16^{a}	8^{a}	6^{a}	nw.	V. & G. H. Water Co.
Reno	do	4,532	31	36.3	+3.8	60	1	12	27	36	31	0.13	−1.82	0.10	0.1	3	17	9	5	w.	U. S. Weather Bureau.
Bijou, Cal.		6,230	3	26.3	......	52	17	−7	26	46	9	0.28	......	0.15	4.0	3	2	24	5	n.	Chas. Young.
McKinney, Cal.**		6,225	...	......	......	......	......	......	......	....	9	1.45	......	0.76	13.0	5	22	6	3	w.	Henry Soll.
Tahoe, Cal.		6,230	10	30.6	......	50	†5	9	†19	31	10	1.15	......	0.62	10.0	6	13	1	17	n.	Mrs. Emma C. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	24	32.1	+1.3	61	4	4	10	43	24	0.17	−0.45	0.06	0.8	3	11	14	6	n.	U.S. Experiment Station.
Gardnerville	Douglas	4,830	27	37.2^{e}	+6.2	63^{e}	18	3^{e}	28	55^{e}	28	0.08	−2.57	0.08	T.	1	21^{e}	2^{e}	3^{e}	nw.	Forest Service.
Lahontan **	Churchill	4,200	6	37.0	......	62	5	9	†11	47	8	0.16	......	0.06	0	3	15	12	4	w.	U.S. Reclamat'n Service.
Markleeville, Cal.		5,525	......	......	......	......	......	......	......	....	9	0.50	......	0.25	2.5	3	18	6	7	s.	Mrs. Mary Thornburg.
Woodfords, Cal. **		5,634	....	......	......	......	......	......	......	....	9	0.35	......	0.35	T.	1	21	2	8	sw.	Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	11	34.2^{i}	+0.3	67^{i}	16	11	†1	40^{i}	22	T.	−0.50	T.	T.	0	9	0	22	......	Southern Pacific Co.
Smith	Lyon	4,800	....	......	......	......	......	......	......	..	10	0.13	......	0.13	1.3	1	12	13	6	n.	C. M. Carter.
Thorne §	Mineral	4,200	5	36.4	+1.9	65	†1	14	28	47	5	0.02	−0.54	0.02	T.	1	7	23	1	w.	Southern Pacific Co.
Yerington §	Lyon	4,375	9	33.9	+1.2	64	4	4	31	51	9	0.05	−0.54	0.04	0.6	2	12	12	7	nw.	W. H. Churchyard.
Bridgeport, Cal.		6,500	5	......	......	......	......	......	......	....	7	......	......	......	......	......	......	......	......	......	Robert Crawford.
Shields Ranch, Cal. **		5,300	....	......	......	......	......	......	......	....	9	0.18	......	0.13	2.0	2	14	8	9	nw.	Bruce H. Chichester.
Colorado Basin.																					
Indian Springs §	Clark	3,136	5	......	......	......	......	......	......	....	5	......	......	......	......	......	......	......	......	......	Ira MacFarland.
Las Vegas	do	2,033	16	47.2	+5.4	80	†2	20	†11	55	16	0.00	−0.49	0.00	0	0	24	5	2	nw.	C. P. Squires.
Logandale §	do	1,355	11	44.3	+1.6	75	1	18	15	43	19	0.09	−0.81	0.09	0	1	24	5	2	......	Bert Mills.
Pioche	Lincoln	6,100	20	......	......	......	......	......	......	....	20	......	......	......	......	......	......	......	......	......	John Robinson.
Minor Basins.																					
Beatty	Nye	3,309	2	43.3	....	76	2	17	11	45	2	0.03	......	0.02	0	2	25	4	2	n.	E. E. Palmer.
Duck Flat **	Washoe	4,725	......	......	......	......	......	......	......	...	4	......	......	......	......	......	......	......	......	......	C. T. Smith.
Francis (near)	do	5,350	...	......	......	......	......	......	......	...	4	0.30	......	0.21	1.3	3	23	4	4	sw.	Geo. W. Barnard.
Gerlach	do	3,931	6	33.6	......	59	4	4	10	42	6	0.05	......	0.04	0	2	13	0	18	sw.	Western Pacific Co.
Goldfield	Esmeralda	5,700	11	33.4^{a}	+1.7	61^{a}	1	9^{a}	†21	34^{a}	13	0.04	−1.04	0.02	0.4	2	16^{a}	8^{a}	6^{a}	n.	R. W. Robinson.
Jungo	Humboldt	4,165	...	......	......	......	......	......	......	...	5	0.02	......	0.02	1.0	1	16	2	13	......	Western Pacific Co.
Lida	Esmeralda	6,037	6	34.8^{e}	+5.1	66^{e}	4	10^{e}	10	42^{e}	6	0.00	−0.75	0.00	0	0	19^{e}	1^{e}	6^{e}	nw.	F. H. Aubrey.
McDermitt	Humboldt	4,700	7	31.2	+4.1	64	1	−2	31	32	31	0.55	−1.18	0.20	......	6	21	7	3	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	8	29.7	+4.1	66	2	4	10	40	8	0.86	−0.17	0.25	6.5	6	13	8	10	s.	R. E. Middagh.
Millett	Nye	5,040	10	27.8	+0.8	59	4	−3	27	49	11	0.34	−0.63	0.14	4.0	3	13	4	14	......	Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	6	33.8	+3.6	62	12	10	21	44	6	T.	−0.75	T.	T.	0	17	13	1	n.	Arthur L. Stewart.
Pahrump	Nye	2,608	5	40.2	......	74	2	10	22	51	5	0.13	......	0.13	0	1	28	0	3	......	F. M. Buol.
Quinn Riv. Ranch **	Humboldt	4,850	16	30.5	+3.9	65	2	−5	31	59	17	0.40	−0.79	0.17	......	4	9	4	18	s.	F. M. Payne.
Rebel Creek	do	4,300	6	34.8^{h}	......	63^{h}	1	−3^{h}	31	35^{h}	7	0.70	......	0.26	0.7	7	4^{h}	7^{h}	12^{h}	sw.	Fred Whitaker.
Sand Pass **	Washoe	4,198	5	35.4	......	59	4	11	†10	36	5	0.13	......	0.09	0	2	17	6	8	n.	R. R. Mott.
Searchlight	Clark	3,445	5	45.4	......	72	3	25	†21	27	5	0.00	......	0.00	0	0	24	3	4	n.	C. L. Aug. Mahn.
Sulphur	Humboldt	4,044	5	......	......	61	26	......	......	....	5	......	......	......	......	......	......	......	......	......	Western Pacific Co.
Tonopah	Nye	6,090	13	31.6	......	58	2	6	10	26	13	0.22	......	0.14	2.5	3	21	7	3	w.	U. S. Weather Bureau.
Vya	Washoe	5,500	.....	......	......	......	......	......	......	....	5	1.00	......	0.40	2.2	6	22	4	5	sw.	L. A. Mariette.
For the state				32.6	+2.7	80	†2	−25	31	59	....	0.70	−0.41	1.53	5.6	4	14	8	9	n.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Mahoney Ranger Station, Jarbridge; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of McKinney, Hellman's, Lake Tahoe, Cal.; of Lahontan, Hazen; of Woodfords, Cal., Sheridan, Nev.; of Shields Ranch, Coleville, Cal.; of Duck Flat, Sunkist; of Oasis Ranch, Oasis, Cal.; of Quinn River Ranch, Amos; of Sand Pass, Sheepshead.

Reference letters, ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing, for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for January, 1918.

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Columbia Basin.																																
Gold Creek (near)							.09	.06			.65	.10	.15	.30	.15	T	.10	.10							T	.02	.05	T	T	.18		1.95
Mahoney Ranger Station ‖					*		*	*	.90	T.	.62	.10	.02		T.	T		T.	T.						.33	.11	.11		.06	.08	.05	2.38
Owyhee				T.	.14		.17	.05	.03		.20	.56	.06	.53	.11	.19	.06	.16							.19		.08		.25	.04		2.82
San Jacinto				T			.18		.08		.16	.28		.24				T.							T				.32	T		1.26
Humboldt Basin.																																
Arthur							.61		.12		.10	.62	.26	.12	.10		.09								.22	T			.36			2.60
Austin								T	.16	.03	.16	.45	.17	.38											.27							1.62
Battle Mountain				T			T.				T	.05	.03																	T		0.08
Beowawe						.10			.02		.04	.50	.02	.24											.01	.01			.10		.01	1.05
Clover Valley							.83					1.53		.26				.15											.10			2.87
Elko							.20		.08		T.	.35		.70				T							.03					T		1.36
Eureka						.05			.03		T.	.35		.10			.01								.38	.08						1.00
Golconda											T.	T.		.08											.08							0.16
Hylton							.34		.08			1.02		.14											.32		T		.17			2.07
Imlay						T.	T.			.21	.05	.23	T.												T							0.49
Lamoille ‖									.21	.32	.11	.23		.21											.47				.26			1.81
Lovelock						T.					T.	.28		.08																		0.36
Metropolis ‖							.25	T.	T.		.04	.25		.08	.04			T.								T	T					0.66
North Fork				.21					.06		.03	.06		.09																		0.45
Paradise Valley			T.			T.	.07	T.				.10	.30		.17	T.										T			T	T	T	0.64
Potts										.16															.16							[illegible]
Tecoma							.20		.10			.04		.30			.10												.20	.10		1.04
Winnemucca***						T.	T.		T.		.21	.33	.11	.30											.08	T			.01			1.04
Truckee Basin.																																
Marlette Lake ‖							.03		.03				.66	.34	.10	.07										.06						1.29
Reno***						T		.10				.02	T.	T					T						.01	T						0.13
Bijou, Cal						T.	T.					.15		.05											.08							0.28
McKinney, Cal						.03	.02					.61		.76											.03							1.45
Tahoe, Cal. ‖							.11		.01			.07	.62	.28				.06						T								1.15
Carson Basin.																																
Fallon ‖													.06	.06												.05						0.17
Gardnerville												.08		T.											T.							0.08
Lahontan												.06	T.	.04										.06								0.16
Markleeville, Cal						T.						.25		.16											.09							[illegible]
Woodfords, Cal												.35													T.							[illegible]
Walker Basin.																																
Mina													T																			T
Smith																									.13							0.13
Thorne									T.			.02	T.	T.											T.	T.						0.02
Yerington									.01				T.												.04							[illegible]
Bridgeport, Cal																																
Shields Ranch, Cal														.05												.13						0.18
Colorado Basin.																																
Indian Springs ‖																																
Las Vegas																																
Logandale												T.																				[illegible]
Fioche																									.09							[illegible]
Minor Basins.																																
Beatty																																
Duck Flat													.01												.02							[illegible]
Francis (near)																																
Gerlach								.08	T.			.21		.01																		[illegible]
Goldfield													.01	.04																		[illegible]
Jungo												T.		.02	T.										.02							[illegible]
Lida														.02																		[illegible]
McDermitt																																[illegible]
McGill				.10		.10			.03			.20		.07														.05				0.55
Millett								.05			.21	.12		.25			T.								.18	.05			T.			[illegible]
Oasis Ranch											T.	.14	.08	.12																		[illegible]
Pahrump																								T.	T.							T
Quinn River Ranch																									.13							[illegible]
Rebel Creek											.08	.12	.03	.17																		[illegible]
Sand Pass					.05				.05		.11	.26					.15								.07	.01						[illegible]
Searchlight						T.						.09		.04																		0.13
Sulphur																																[illegible]
Tonopah***									T.			.05		.14											.03							[illegible]
Vya ‖				.20							.12	.40	.16				.02															[illegible]

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

Daily evaporation (inches) and wind movement (miles) for January, 1918.

(See temperature and precipitation data in climatological tables, pages 4 to 6.)

Stations.	Data.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Monthly
Indian Springs*	Evaporation																																
	Wind movement																																
Lamoille*	Evaporation																																
	Wind movement																																
Marlette Lake*	Evaporation																																
	Wind movement																																
Tahoe, Cal.**	Evaporation	.035	.030	.035	.035	.045	.035	.035	.055	.045	.075	.035	.045	.030	.030	.055	.035	.035	.015	.220	.030	.020	.030	.040	.055	.065	.070	.050	.070	.000	.030	.020	[illegible]
	Wind movement	28	19	32	55	27	32	64	63	83	77	65	109	70	62	44	37	48	171	404	73	77	104	59	71	61	88	94	86	71	83	112	[illegible]

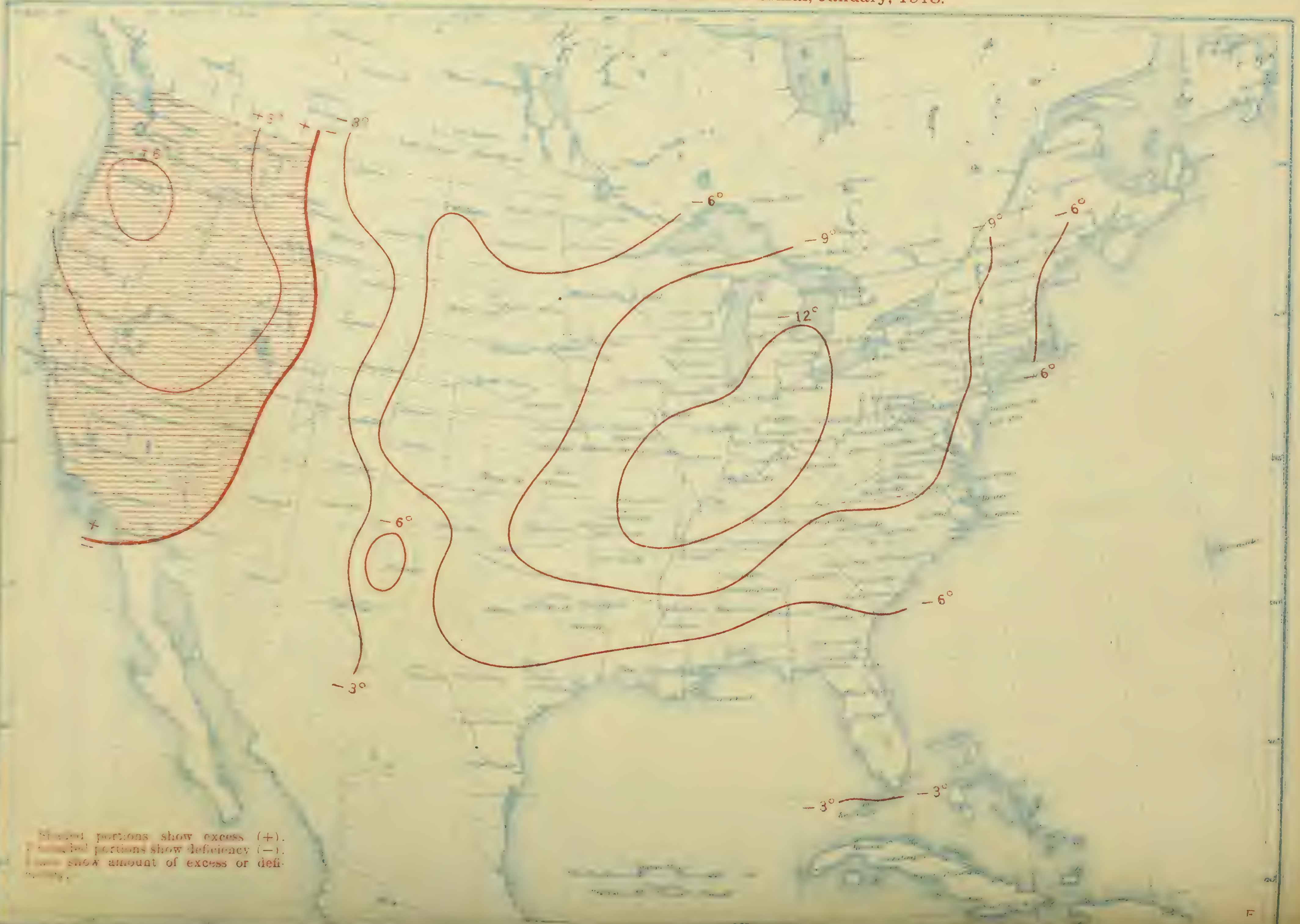
* Observations taken at 7 a. m.; ** at 8 a. m. ‡ Included in next following entry.

Daily temperatures for January, 1918.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek (near)	Maximum	50	49	...	...	...	36	37	26	14	10	30	31	36	24	30	28	36	36	20	20	20	25	30	28	25	15	20	25	26	15	12	26.7
	Minimum	25	30	...	...	...	17	26	14	-10	-5	-5	20	22	14	20	18	20	20	16	7	-1	17	18	12	10	5	-5	15	10	7	-25	11.1
Owyhee	Maximum	64	67	56	47	45	49	45	39	36	21	33	36	32	36	32	37	46	42	29	29	35	37	43	46	40	23	30	35	...	41	24	39.2
	Minimum	33	30	28	35	33	21	34	30	16	2	21	28	20	26	23	28	32	20	19	1	9	26	25	26	16	10	2	19	...	18	12	20.6
San Jacinto	Maximum	65	62	59	45	43	49	42	38	39	26	37	38	34	35	35	39	46	42	32	29	29	36	43	44	40	30	25	36	32	22	22	38.5
	Minimum	18	20	11	36	32	12	35	21	14	6	18	32	24	19	25	27	31	26	20	9	3	19	32	24	27	18	8	20	17	16	-13	19.6
Humboldt Basin.																																	
Austin	Maximum	60	65	57	50	49	...	52	41	30	21	36	39	31	36	35	38	53	43	28	...	36	33	46	51	37	28	31	39	35	35	27	40.1
	Minimum	38	37	34	35	27	...	24	19	19	6	3	20	14	9	14	13	21	25	14	...	6	14	16	17	13	15	0	4	21	14	4	16.7
Battle Mountain	Maximum	59	60	59	59	66	61	61	59	43	28	44	45	45	43	38	43	49	48	36	40	38	49	50	50	50	48	50	47	42	41	30	47.8
	Minimum	15	10	11	34	54	14	15	13	15	2	20	33	20	20	21	23	25	24	26	21	16	13	12	10	10	15	10	10	23	14	8	18.0
Elko	Maximum	60	58	57	52	50	48	48	43	35	23	34	40	38	36	36	38	44	40	40	36	40	35	43	47	40	30	31	36	36	33	24	40.4
	Minimum	15	14	14	33	27	12	34	20	21	0	13	31	28	22	13	12	33	12	31	13	29	13	18	12	18	11	5	9	25	11	-4	17.6
Eureka	Maximum	64	65	62	52	48	51	58	42	31	18	38	42	24	22	31	39	43	43	27	35	33	32	43	54	40	22	28	36	40	34	34	39.8
	Minimum	27	30	28	30	25	20	31	18	15	-3	5	30	19	12	8	10	28	25	15	15	5	4	14	15	22	2	-6	5	17	12	-2	15.4
Imlay	Maximum	60	59	58	60	58	59	58	43	41	39	42	47	45	44	45	46	42	41	40	39	35	40	50	45	40	35	36	34	47	45	31	45.3
	Minimum	15	20	22	20	15	34	35	19	0	20	30	33	30	25	24	25	26	15	12	15	10	10	17	18	15	15	16	9	10	20	4	18.7
Lamoille	Maximum	72	73	60	48	45	48	43	37	36	53	53	38	33	34	32	41	48	30	26	30	28	39	47	48	36	24	30	41	33	27	21	40.5
	Minimum	29	29	29	29	30	21	21	27	20	20	18	13	15	15	15	15	28	27	14	10	9	12	12	21	29	11	11	13	13	13	13	18.8
Metropolis	Maximum	58	59	55	46	44	43	43	35	30	27	30	35	31	30	30	35	39	36	29	28	25	29	39	43	39	25	21	29	31	25	22	35.2
	Minimum	18	20	19	23	28	17	30	25	17	-3	15	30	20	20	14	22	30	23	9	1	-3	8	19	15	25	10	-4	9	20	13	-14	15.4
Paradise Valley	Maximum	62	60	63	60	57	57	55	57	40	41	34	37	44	41	41	40	44	46	46	45	36	43	45	48	45	37	44	40	47	40	38	46.2
	Minimum	16	14	23	21	19	14	15	16	26	19	3	4	31	23	26	17	19	18	17	18	15	24	18	19	18	17	19	11	27	20	2	17.7
Potts	Maximum	34	36	35	38	38	39	40	40	35	29	29	28	30	34	36	37	35	38	38	39	41	44	42	45	30	29	32	37	37	37	39	36.0
	Minimum	3	5	5	10	12	14	20	22	18	-12	12	10	-3	7	9	14	10	12	12	8	10	15	12	-3	-12	-16	-5	-3	0	-2	3	6.0
Tecoma	Maximum	55	57	58	57	59	51	50	51	40	26	28	44	42	41	40	42	40	41	40	41	38	40	41	50	40	32	30	31	39	37	29	42.3
	Minimum	13	12	14	22	23	10	14	16	0	4	14	20	21	22	22	23	25	22	24	20	4	18	24	26	18	12	4	5	15	10	-3	15.3
Winnemucca	Maximum	60	61	57	56	55	49	54	43	37	30	41	43	37	41	37	40	48	44	34	36	40	42	49	54	39	35	40	43	42	38	28	43.6
	Minimum	20	17	14	30	21	17	24	16	12	-1	24	29	24	29	22	25	24	27	21	22	18	21	23	22	20	15	13	13	27	17	3	20.0
Truckee Basin.																																	
Marlette Lake	Maximum	...	52	45	43	40	43	36	32	18	30	40	32	37	25	31	37	39	33	16	24	28	33	37	45	30	21	32	36	32	28	28	32.4
	Minimum	22	...	20	22	22	25	27	23	12	7	9	24	9	10	17	21	16	17	12	10	7	12	15	23	19	12	9	9	23	20	7	15.5
Reno	Maximum	60	58	54	59	58	55	57	47	36	39	53	50	42	46	41	55	60	50	35	39	44	47	55	57	45	38	47	48	51	48	40	48.8
	Minimum	26	24	26	35	28	30	32	25	22	14	23	30	26	32	27	31	24	27	22	19	17	17	22	22	22	15	12	17	37	22	13	23.8
Tahoe, Cal.	Maximum	37	35	42	49	50	50	47	40	31	37	50	35	37	35	34	47	45	44	28	30	42	41	47	48	34	30	41	42	39	41	39	40.2
	Minimum	27	30	28	27	27	27	29	22	19	16	20	26	13	19	27	26	23	27	9	21	14	21	21	20	21	12	16	15	25	22	9	21.1
Carson Basin.																																	
Fallon §§	Maximum	56	55	54	61	57	54	59	48	40	33	43	51	45	48	43	50	52	48	37	39	42	45	49	55	37	39	46	48	51	45	33	47.2
	Minimum	17	11	14	19	25	21	33	19	23	4	11	20	19	28	23	26	17	24	17	22	11	10	14	12	12	10	7	9	20	15	9	17.0
Gardnerville	Maximum	...	57	58	57	61	...	59	62	60	62	57	56	...	57	56	55	61	63	60	...	43	47	53	55	55	54	...	54	52	55	54	56.3
	Minimum	...	17	20	24	20	...	24	19	16	7	15	39	...	14	26	26	19	38	42	...	10	11	16	13	18	6	...	3	31	20	7	18.1
Lahontan	Maximum	59	58	57	55	62	60	55	60	50	42	35	50	42	46	52	50	50	54	49	39	45	45	52	56	44	40	38	56	55	53	40	50.0
	Minimum	26	26	26	25	34	38	30	39	29	28	9	17	34	26	27	26	23	26	18	25	19	18	20	21	27	19	14	9	29	28	10	24.1
Walker Basin.																																	
Mina	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	57	62	67	62	61	57	53	41	43	40	47	42	54	42	41	48	46	43	50.3
	Minimum	11	15	17	14	18	17	16	19	13	15	21	20	19	18	22	27	22	23	28	22	11	13	15	20	19	19	17	14	16	17	21	18.0
Yerington	Maximum	61	62	55	64	62	56	66	50	44	39	58	56	46	52	45	55	60	51	40	42	45	54	61	40	39	51	55	47	57	47	39	51.6
	Minimum	15	12	12	24	19	20	36	16	12	5	13	30	9	21	25	26	15	34	16	24	11	12	10	13	10	6	9	12	21	11	4	16.2
Bridgeport, Cal.	Maximum	60	62	55	50	45	52	50	40	38	40	35	30	24	32	40	36	35	30	25	30	30	35	40	30	25	20	30	35	40	30	37	37.5
	Minimum	12	10	19	25	31	18	24	12	10	16	8	11	8	7	2	5	14	15	17	15	17	14	15	17	10	18	14	16	20	10	16	14.4
Colorado Basin.																																	
Indian Springs	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Las Vegas	Maximum	78	80	79	74	80	75	69	78	60	48	54	55	62	65	68	72	65	57	57	59	57	60	74	76	67	57	55	58	59	60	60	65.1
	Minimum	32	36	34	36	33	35	33	30	43	32	20	26	36	34	36	32	30	28	24	28	20	20	21	21	32	36	31	28	21	21	20	29.3
Logandale	Maximum	75	73	70	68	74	68	65	63	60	51	49	55	57	53	49	56	62	63	58	57	54	59	59	67	52	54	56	56	55	58	53	59.6
	Minimum	31	30	34	32	33	36	32	33	43	34	20	25	32	29	18	23	26	29	36	31	22	20	26	25	29	38	35	21	22	23	29	29.0
Pioche	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Minor Basins.																																	
Beatty	Maximum	75	76	73	73	70	68	66	64	61	49	62	64	55	49	49	62	64	65	58	47	50	54	63	65	56	50	52	59	54	56	50	60.0
	Minimum	35	37	32	32	39	34	30	30	32	21	17	25	30	24	26	22	27	29	27	22	19	21	30	30	26	26	20	18	19	20	24	26.6
Gerlach	Maximum	54	54	54	59	57	55	54	49	11	34	39	41	44	40	39	47	48	48	41	40	39	44	51	50	49	50	47	48	51	47	39	47.0
	Minimum	14	12	16	33	30	22	38	21	15	4	14	23	30	32	26	30	21	35	22	29	9	10	15	15	18	17	13	13	25	13	7	20.1
Goldfield	Maximum	58	61	60	56	55	56	56	49	37	31	51	48	42	38	40	48	56	47	37	33	38	40	49	53	43	32	39	45	50	37	...	46.2
	Minimum	27	30	26	31	34	24	31	23	26	11	14	29	20	18	18	21	23	24	17	12	9	13	21	20	24	13	9	14	24	16	...	20.7
McDermitt	Maximum	64	57	49	50	42	48	50	42	36	27	33	10	36	35	34	39	45	41	32	33	35	40	45	47	42	33	36	37	35	34	26	40.1
	Minimum	32	29	20	31	24	26	36	33	17	2	22	30	22	24	18	27	33	29	21	14	18	26	21	23	29	21	16	16	16	17	-2	22.3
McGill	Maximum	57	66	65	55	50	52	48	46	34	24	37	41	35	31	32	36	44	41	29	32	31	34	44	52	43	31	32	37	39	37	29	40.8
	Minimum	26	29	25	40	32	16	32	21	20	4	11	31	18	16	16	12	21	27	14	18	5	8	13	15	29	12	7	11	20	20	7	18.6
Millett	Maximum	57	56	54	59	54	46	55	46	36	36	51	52	40	40	36	37	38	48	39	33	33	36	46	48	46	32	38	40	42	42	35	43.6
	Minimum	8	10	8	26	22	12	34	9	8	0	8	33	17	11	7	4	8	21	18	18	6	4	8	5	11	3	-3	3	19	22	9	11.9
Oasis Ranch	Maximum	54	58	56	60	56	56	58	50	44	35	55	62	51	45	48	51	54	55	42	34	32	42	51	52	46	35	44	49	55	45	38	48.8
	Minimum	19	16	12	21	32	24	25	20	25	18	15	24	18	22	22	17	17	18	22	20	10	15	22	13	19	15	18	18	17	13	20	18.9
Rebel Creek	Maximum	63	58	54	56	50	48	50	56	54	29	37	43	40	...	...	...	...	...	...	...	...	42	51	50	47	34	40	42	42	34	31	45.7
	Minimum	31	23	24	30	28	26	30	34	20	7	22	32	23	...	...	...	...	...	...	...	...	26	25	25	28	22	22	30	26	20	-3	24.0
Sand Pass	Maximum	53	54	48	59	58	50	53	51	41	35	45	50	43	46	41	50	50	51	38	39	41	45	53	55	43	40	50	51	52	51	45	47.8
	Minimum	20	19	18	39	30	27	37	21	24	11	11	35	24	31	24	33	23	32	21	13	15	17	17	20	25	20	16	18	35	26	12	23.0
Searchlight	Maximum	67	70	72	67	64	59	63	65	53	42	53	48	51	51	51	55	60	64	54	44	46	47	55	55	51	43	45	48	52	51	45	54.5
	Minimum	52	55	49	48	46	43	42	43	37	26	26	36	36	32	30	33	42	39	33	28	25	31	35	41	38	35	26	25	29	29	33	36.2
Sharp	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Sulphur	Maximum	53	52	55	56	57	56	54	53	38	34	46	49	49	50	47	48	48	47	52	51	46	46	50	56	59	61	60	50	47	45	37	50.1
	Minimum	16	14	15	11	16	16	13	17	20	0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Tonopah	Maximum	53	58	54	51	49	47	51	42	29	24	44	48	32	30	31	39	48	40	28	28	30	35	43	46	37	28	31	38	43	37	28	39.4
	Minimum	40	40	40	35	34	32	34	27	13	6	18	26	22	22	21	25	32	25	18	16	15	19	24	30	20	15	9	19	25	23	12	23.8

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Departure of the Mean Temperature from the Normal, January, 1918.


+6
+3°
+
−
−3°
−6°
−9°
−12°
−6°
−3°
−9°
−6°
−6°
−6°
−3°
−3°
Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.
F

Snowfall in the elevated regions of Nevada Section, January, 1918.

The winter season to the end of January was exceedingly dry, especially in western and southern districts. The deficiencies in precipitation were great in all sections of the State for the period ending December 31, 1917, but the shortage in the north portion of Elko County was not so marked as in other portions. January was also extremely dry in the south and west portions, the snowfall in the Sierras being much lighter than during any other January since accurate records have been kept in those mountains. There was considerable moisture over the northeast one-third of the State. The monthly amount of snowfall in the mountain districts of Elko, Eureka, and portions of White Pine, Lander, and Humboldt Counties was somewhat greater than normal.

The snowfall in the Truckee Basin ranged from 4 to 13 inches at reporting stations, which is only about 10 per cent of the normal. The depth of the snow cover on January 31st was less than 10 per cent of the normal. The level of Lake Tahoe was 6,227.13 feet on the last day of the month, which is .74 of a foot lower than at the same time of last year, and .34 of a foot lower than at the beginning of the month.

The deficiencies in the Carson and Walker Basins were about the same as in the Truckee Basin. There was practically no snow on the ground at the end of the month at elevations below 7,000 feet, and depths varying from a few inches to 24 inches at higher elevations.

The snowfall in the Humboldt Basin for the month averaged normal or slightly greater. Several stations received two inches or more of precipitation, but as the temperature was high much of this was in the form of rain.

Stations.	Counties.	Altitude.	SNOWFALL. (Inches.) Total snowfall.	Amount on ground on 15th of month.	Amount on ground on last day of month.	Depth on last day of month compared with normal.
Truckee Basin.						
Bijou, Cal.	Eldorado	6,230	4.0	T	0	−32
McKinney, Cal	Placer	6,225	13.0	11	5	−42
Marlette Lake	Washoe	7,900	13.0	15	12	−56
Tahoe, Cal	Placer	6,230	10.0	9	3	−50
Truckee, Cal	Nevada	5,818	5.5	5	0	−33
Carson Basin.						
Markleeville, Cal	Alpine	5,525	2.5	0	0	−14
Woodfords, Cal	do	5,634	T.	0	0	−3
Walker Basin.						
Bridgeport, Cal	Mono	6,500	T.	0	0	−8
Shield's Ranch, Cal	do	5,300	2.0	0	0	−2
Smith	Lyon	4,800	1.3	0	0	−1
Humboldt Basin.						
Arthur	Elko	6,500	22.2	5	7	+2
Beowawe	Lander	4,695	5.4	.....	.....	.....
Eureka	Eureka	6,837	14.0	4	6	+3
Hylton	Elko	7,081	12.0	5	7	−3
Lamoille	do	6,100	12.3	.....	.....	.....
Metropolis	do	5,661	2.5	2	1	−5
Millett	Nye	5,040	4.0	.....	.....	.....
North Fork	Elko	6,500	6.0	5	4	−6
Winnemucca	Humboldt	4,344	5.9	.....	0	0

T. indicates a trace.

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

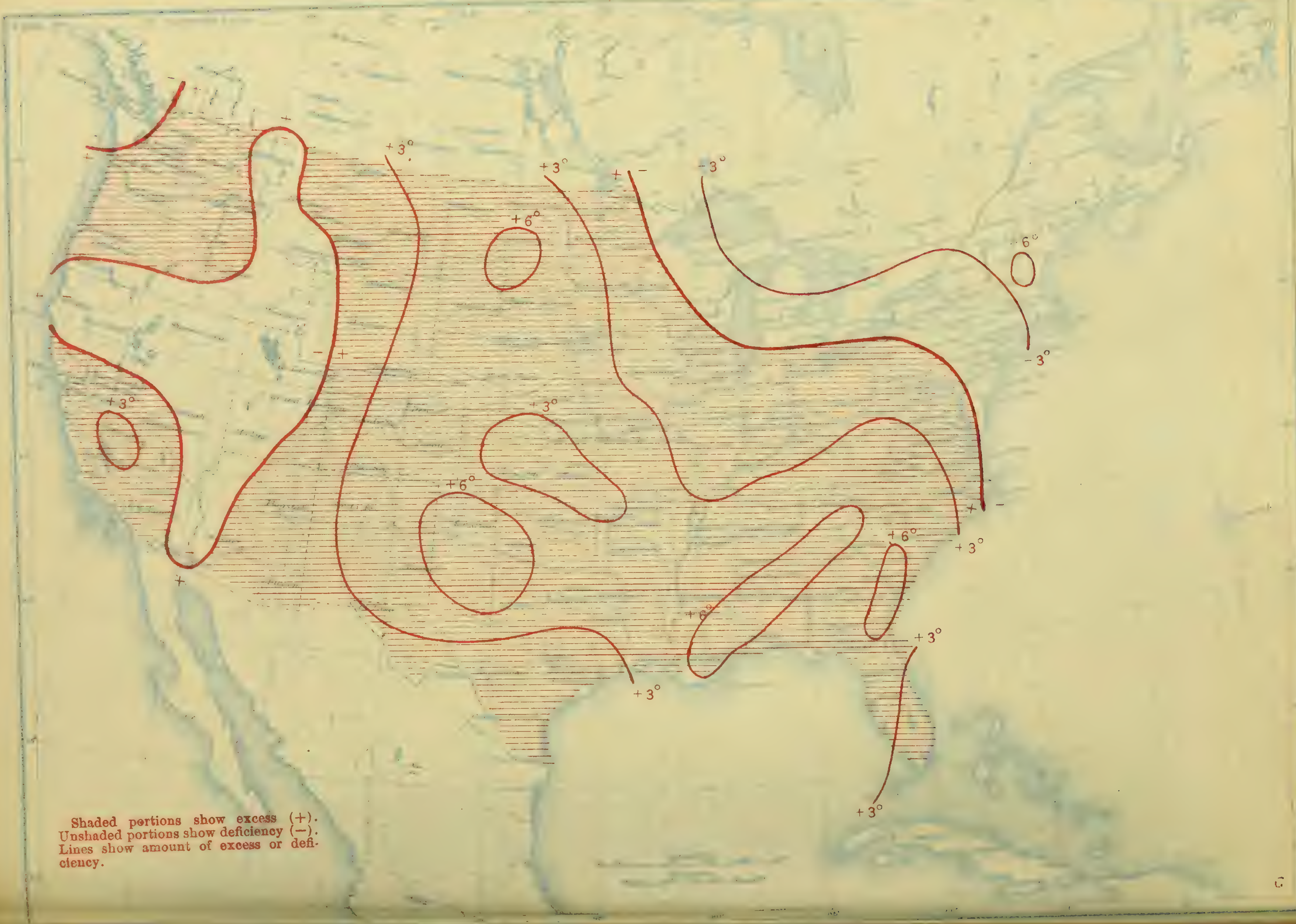
NEVADA SECTION

FEBRUARY, 1918

BY
HENRY F. ALPS
METEOROLOGIST

RENO, NEV.
WEATHER BUREAU OFFICE
MARCH 20, 1918.

Departure of the Mean Temperature from the Normal, February, 1918.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALPS, Meteorologist.

Vol. XXXIII. Reno, Nevada, February, 1918. No. 2.

GENERAL SUMMARY.

The drought in the south and west portions which had covered a period of about six months was broken during February. Normal or greater amounts of precipitation occurred in the northeastern one-third of the State in January, but the amount of moisture in the south and west portions was generally too light to benefit agricultural interests. During February copious precipitation fell throughout Nevada, the moisture being sufficient for the agricultural interests in all sections. Precipitation occurred in nearly all localities, except the south portion, on the 6th and 7th, the amounts being moderately heavy in the extreme west portion. From the 12th until the 24th snows occurred almost daily in the upper basins of western streams, and rain or snow fell at frequent intervals in other sections. The average snowfall for the State was 11.3 inches, and good depths were general in the high mountain districts. The snowfall conditions in the different watersheds of Nevada streams are given on the last page of this bulletin. The temperature averaged about normal. The first twelve days were generally above, and the remaining sixteen days were below normal in nearly all localities.

Stock wintered well and were in good condition at the close of the month, except that sheep were poor on desert ranges where the drought had been severe. Stock losses were unusually small. Lambing started on ranches under ideal weather. Winter wheat and barley made satisfactory development in valleys where they are grown.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 41 stations, was 33.2°. The mean for the 27 stations having ten or more years' record was 0.5° below normal. The highest recorded was 79°, at Las Vegas on the 14th; the lowest was −16°, at Potts on the 24th. The greatest daily range was 59°, at McGill on the 1st and Sulphur on the 16th. The highest monthly mean was 49.8°, at Las Vegas and Logandale; the lowest was 22.1°, at Marlette Lake.

PRECIPITATION.

The average for 48 stations reporting was 1.30 inches. For the 28 stations having ten or more years' record, the mean was 0.29 inch above the normal. The average amount at 3 stations in the Columbia Basin was 1.02 inches; at 16 stations in the Humboldt Basin, 1.17 inches; at 6 stations in the Truckee Basin, 6.90 inches; at 5 stations in the Carson Basin, 4.04 inches; at 4 stations in the Walker Basin, 1.93 inches; at 2 stations in the Colorado Basin, 0.90 inch; at 18 stations in the minor basins, 0.86 inch. The greatest monthly fall was 9.01 inches, at Marlette Lake; the least was 0.08 inch at Sulphur. The average number of days with precipitation was 9.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric pressure (sea level)			Mean relative humidity		Wind.			
	Mean	Highest.	Lowest.	5 a. m.	5 p. m.	Average hourly velocity	Max. velocity Miles per hour	Direction.	Date.
Reno	30.07	30.59	29.69	73	49	7.2	17	sw.	13
Winnemucca	30.08	30.67	29.63	78	54	7.5	46	sw.	13
Tonopah	30.04	30.62	29.39	60	49	11.0	38	w.	14

SUNSHINE AND CLOUDINESS.

At Reno, 64 per cent of the possible sunshine was recorded; at Winnemucca, 60 per cent; at Tonopah, 68 per cent. For the State, the average number of clear days was 12; partly cloudy, 6; cloudy, 10.

MISCELLANEOUS PHENOMENA.

(Dates of.)

Brisk winds.—1, 4, 6, 12, 13, 14, 16, 19, 20, 21, 22, 23, 24, 26, 27.

Lunar halos.—24.

Mock suns.—16.

COMPARATIVE DATA FOR FEBRUARY.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1890	30.7	88	−41	1.55	15.8	6	10	8	10	s.
1891	30.5	66	−19	2.39	10.4	8	8	8	12	s.
1892	33.4	65	−18	0.95	8.8	4	11	8	10	s.
1893	29.0	69	−40	1.43	13.8	5	10	7	11	w.
1894	25.7	71	−41	1.92	19.3	6	11	7	10	sw.
1895	31.1	77	−35	1.23	11.1	4	13	6	9	n.
1896	35.4	86	−12	0.02	1.1	2	13	10	6	w.
1897	29.6	67	−22	2.09	14.3	8	8	7	13	sw.
1898	36.9	79	− 2	0.29	1.5	2	12	10	6	w.
1899	33.3	73	−27	0.55	4.7	4	13	7	8	w.
1900	35.3	76	−12	0.51	2.6	4	11	6	11	sw.
1901	31.6	77	−27	2.61	14.0	8	7	5	16	sw.
1902	36.4	75	−16	1.42	10.6	6	7	9	12	sw.
1903	20.7	86	−32	0.56	5.9	3	17	5	6	n.
1904	35.9	73	−15	2.48	8.6	7	9	7	13	sw.
1905	37.8	80	−37	1.13	8.1	4	14	6	8	n.
1906	36.4	69	2	1.03	4.4	5	10	6	12	sw.
1907	41.9	78	9	1.28	1.7	4	11	7	10	n.
1908	34.6	79	−10	1.07	9.0	4	12	9	8	s.
1909	33.5	73	− 7	1.03	7.5	5	9	9	10	sw.
1910	30.6	79	−27	0.37	4.4	2	11	9	8	sw.
1911	27.8	67	−26	1.12	11.2	5	12	7	9	s.
1912	36.3	79	− 3	0.26	0.6	2	11	10	8	w.
1913	31.8	74	−20	0.44	5.4	3	14	7	7	w.
1914	35.5	79	−16	0.87	3.8	5	15	6	7	w.
1915	36.5	70	− 5	1.38	10.5	7	7	8	13	sw.
1916	36.8	80	−25	0.89	7.2	5	14	6	9	w.
1917	30.5	75	−34	1.01	9.2	5	12	6	10	sw.
1918	33.2	79	−16	1.30	11.3	9	12	6	10	s.
Entire period	33.1	88	−41	1.14	8.2	5	11	7	10	sw.

LATE REPORTS.

January, 1918.—Duck Flat, total precipitation, 0.27 inch; no snowfall; number of days with precipitation, 2; clear, 15; partly cloudy, 9; cloudy, 7.

Climatological data for February, 1918.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days.				Prevailing direction of the wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	5								5										U. S. Forest Service.
Mahoney Ran. Sta.**	do	6,200	3								3	1.15									Do.
Owyhee	do	5,400	7	29.7[a]		55[a]	32	−4[a]	†1	39[a]	7	1.55		0.48	15.5	8	8[a]	9[a]	10[a]	s.	E. A. Schwab.
San Jacinto	do	5,200	13	25.6	−3.2	52	6	−11	1	40	13	0.36	−0.18	0.14	15.0	5	13	5	10	s.	Utah Construction Co.
Humboldt Basin.																					
Arthur	Elko	6,500									8	2.71	+1.42	0.66	26.3	8	12[d]	10[d]	2[d]		Isaac Woodhouse.
Austin	Lander	6,594	29	30.6[c]	+1.1	60[c]	10	2[c]	15	42[c]	29	1.48	+0.14	0.50	23.0	8	9[c]	7[c]	9[c]		Forest Service.
Battle Mountain	do	4,513	47	31.8	−0.6	60	†6	−10	15	43	49						13	6	9		Southern Pacific Co.
Beowawe	Eureka	4,695	47	31.6	+0.5	60	6	2	†1	39	49	0.70	−0.01	0.32	8.7	4	13	12	3		Do.
Clover Valley**	Elko	6,000	17	24.2[a]	−4.8	53[a]	5	−12[a]	1	43[a]	25	1.19	−0.98	0.46	10.0	4	16	2	10		J. D. Weeks.
Elko	do	5,063	47	27.6	−1.1	54	23	−7	15	52	48	1.85	+0.64	0.75	5.5	4	11	6	11	sw.	Western Pacific Co.
Eureka	Eureka	6,837	20	30.2	+0.5	59	6	−2	†1	43	22	1.39	+0.29	0.50	23.0	7	13	3	12	s.	Clay Simms.
Golconda	Humboldt	4,392	39	32.0	−1.7	58	6	0	14	36	41						2	25	1	w.	Southern Pacific Co.
Hylton**	Elko	7,081									8	1.20		0.47	15.0	4	19	3	6		Chas. Toyne, sr.
Imlay §	Humboldt	4,209	5	34.3	−0.2	59	11	−6	14	42	5	0.50	−0.05	0.30	2.0	2	10	0	18	nw.	Southern Pacific Co.
Lamoille	Elko	6,100	3	28.4		52	7	0	20	44	3	2.21	+0.50	0.80	48.5	5	13	4	11	se.	Elko-Lamoille Power Co.
Lovelock	Humboldt	3,977	24	33.6	−2.3	55	10	2	1	41	22	0.92	+0.51	0.35	T.	4	8	0	20	n.	John R. Montgomery.
Metropolis §	Elko	5,661	5	22.4		50	6	−12	25	44	9	0.80	−0.22	0.45	12.0	2	13	7	8		L. F. Hatch.
North Fork	do	6,500									9	0.23		0.09	8.0	3	3	12	13	s.	Roy C. Pratt.
Paradise Valley	Humboldt	4,500	5	31.2		57	11	3	†1	37	9	1.08		0.40	8.2	5	8	9	11	nw.	F. C. Buckingham.
Potts	Nye	6,002	25	29.6	+2.5	58	8	−16	24	56	27	0.64	−0.02	0.32	8.0	3	7	14	7	s.	Miss Irene Potts.
Tecoma	Elko	4,812	40	22.4	−4.3	55	7	−12	20	53	42	1.04	+0.49	0.56	12.0	3	6	17	5	w.	Southern Pacific Co.
Winnemucca	Humboldt	4,344	41	32.1	−1.2	57	6	1	15	33	49	0.79	−0.14	0.27	4.1	7	11	4	13	ne.	U. S. Weather Bureau.
Truckee Basin.																					
Franktown	Washoe	5,054	2	33.1	−2.5	60	10	0	25	41	2	4.68	+1.03	1.96	34.0	7	12	3	13		Agent V. & T. Ry.
Marlette Lake**	do	7,900	3	22.1		48	†3	−2	†15	39	5	9.01		2.37	85.0	16	11[a]	5[a]	11[a]	w.	V. & G. H. Water Co.
Reno	do	4,532	31	35.0	−0.6	62	4	10	25	37	31	1.73	−0.06	0.55	13.7	12	12	5	11	w.	U. S. Weather Bureau.
Bijou, Cal		6,230	3	23.2		53	4	−18	15	59	9	6.40		1.80	62.0	12	3	15	10	sw.	Chas. Young.
McKinney, Cal.**		6,225									9	10.32		1.82	88.0	13	11	6	11	w.	Henry Soll.
Tahoe, Cal		6,230	10	28.3		51	4	0	15	34	10	9.28		1.87	88.0	16	10	5	13	sw.	Mrs. Emma C. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	24	35.1	−1.0	64	11	4	15	43	24	0.51	+0.01	0.22	0.8	4	14	3	11	nw.	U.S. Experiment Station.
Gardnerville	Douglas	4,830	27	39.1[c]	+3.1	64[c]	†4	1[c]	26	50[c]	28	3.79	+2.25	0.68	23.3	9	14[b]	10[b]	2[b]	sw.	Forest Service.
Lahontan **	Churchill	4,200	6	36.2[f]		63[f]	4	10[f]	†1	42[f]	8	0.55		0.55	0	1	11[f]	11[f]	0[f]	w.	U.S. Reclamat'n Service.
Markleeville, Cal		5,525									9	6.65		1.52	57.0	10	11	4	13	s.	Mrs. Mary Thornburg.
Woodfords, Cal.**		5,634									9	8.70		1.90	75.0	13	11	3	14	sw.	Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	11	34.2	−4.9	56	18	16	†18	40	22	1.01	+0.73	0.60	4.0	3	13	0	15		Southern Pacific Co.
Smith	Lyon	4,800									10	1.41		0.36	5.0	8	10	5	13	sw.	C. M. Carter.
Thorne §	Mineral	4,200	5								5										Southern Pacific Co.
Yerington §	Lyon	4,375	9	36.8	0.0	69	11	3	1	54	9	0.69	+0.22	0.24	4.2	6	8	8	12	n.	W. H. Churchyard.
Bridgeport, Cal		6,500	5								7										Robert Crawford.
Shields Ranch, Cal.**		5,300									9	4.60		1.04	34.0	9	10	7	11		Bruce H. Chichester.
Colorado Basin.																					
Indian Springs §**	Clark	3,136	5								5										Ira MacFarland.
Las Vegas	do	2,033	16	49.8	+4.6	79	14	16	1	54	16	0.71	+0.17	0.71	0	1	20	3	5	sw.	C. P. Squires.
Logandale §	do	1,355	11	49.8	+1.0	71	†10	17	1	44	19	1.10	+0.46	0.80	0	3	14	8	6		Bert Mills.
Pioche	Lincoln	6,100	20								20										John Robinson.
Minor Basins.																					
Beatty	Nye	3,309	2	42.6		71	†10	11	†1	50	2	1.03		0.95	0	2	10	13	5	s.	E. E. Palmer.
Duck Flat**	Washoe	4,725									4	0.86		0.27	7.0	6	9	4	15	sw.	C. T. Smith.
Francis (near)	do	5,350									4	1.38		0.35		10	10[b]	8[b]	8[b]	sw.	Geo. W. Barnard.
Gerlach	do	3,931	6	33.6		61	4	−6	14	42	6	0.25		0.16	3.0	3	10	0	18	sw.	Western Pacific Co.
Goldfield	Esmeralda	5,700	11	34.2	−2.2	61	11	3	19	40	13	1.04	+0.10	0.99	5.5	4	17	2	9	s.	R. W. Robinson.
Jungo	Humboldt	4,165									5	0.41		0.20	3.2	3	8	13	7		Western Pacific Co.
Lida	Esmeralda	6,037	6								6										F. H. Aubrey.
McDermitt	Humboldt	4,700	7	30.6	−0.1	52	†3	3	†15	38	31	0.68	−0.67	0.42		5	19	8	1	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	8	31.8	+3.3	60	10	−4	19	59	8	2.13	+1.10	1.55	20.9	6	13	6	9	n.	R. E. Middagh.
Millett	Nye	5,040	10	32.0	+0.7	63	6	−2	19	50	11	0.53	−0.01	0.23	7.5	6	11	3	14	s.	Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	6	34.8	−0.1	65	7	6	1	47	6	1.15	+0.48	0.64	13.0	4	11	3	14		Arthur L. Stewart.
Pahrump	Nye	2,608	5	44.2[d]		69[h]	3	21	6	47[h]	5	1.15		0.61	3.0	3	18	0	10		F. M. Buol.
Quinn Riv. Ranch **	Humboldt	4,850	16	31.4[f]	+1.3	62[f]	26	−8[f]	15	43[f]	17	0.55	−0.14	0.20	1.5	6	8[f]	5[f]	9[f]	s.	F. M. Payne.
Rebel Creek	do	4,300	6	33.1		57	4	3	15	33	7	1.13		0.35	11.5	9	7	5	16	sw.	Fred Whitaker.
Sand Pass **	Washoe	4,198	5	35.2		62	4	9	15	38	5	1.05		0.34	3.8	10	10	4	14	s.	R. R. Mott.
Searchlight	Clark	3,445	5	48.3		70	6	22	1	27	5	0.55		0.43	0	3	15	4	9	s.	C. L. Aug. Mahn.
Sulphur	Humboldt	4,044	5	30.0[h]		60	5	−12[e]	16	59[e]	5	0.08		0.04	0.9	3	10[h]	0[h]	10[h]		Western Pacific Co.
Tonopah	Nye	6,090	13	32.8		57	6	10	19	28	13	0.39		0.23	5.4	5	14	8	6	se.	U. S. Weather Bureau.
Vya	Washoe	5,500									5	1.09		0.45	9.0	5	21	2	5	sw.	L. A. Mariette.
For the State				33.2	−0.5	79	14	−16	24	59		1.30	+0.29	2.37	11.3	9	12	6	10	s.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Mahoney Ranger Station, Jarbridge; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of McKinney, Hellman's, Lake Tahoe, Cal.; of Lahontan, Hazen; of Woodfords, Cal., Sheridan, Nev.; of Shields Ranch, Coleville, Cal.; of Duck Flat, Sunkist; of Oasis Ranch, Oasis, Cal.; of Quinn River Ranch, Amos; of Sand Pass, Sheepshead.

Reference letters, [a], [b], [c], appearing in the table indicate number of days missing, for example, [b] represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for February, 1918.

Stations.	Day of month																															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia Basin.																																
Gold Creek (near)																																
Mahoney Ranger Station |||																						‡1.90	.10	T.		T.	.15					1.15
Owyhee						T.	.12					.09	.48	.08			.19						.07	.42		.10						1.[illegible]
San Jacinto							.14					T.	.03	.06				.02				T.		.12		T.						0.36
Humboldt Basin.																																
Arthur		.08				.21	.66						.21	.48			.33		.12					.59								2.71
Austin							.50					T.	.05	.10				.27	.11					*	.45							1.48
Battle Mountain																																
Beowawe							.12							.32			.02							.24								0.70
Clover Valley						.30	.46							.25										.18								1.19
Elko							.75							.50			.20							.40								1.85
Eureka							.08					.03		.25			.08	.40		T.		.05		.50								1.39
Golconda																																
Hylton							.47							.14			.25							.34								1.20
Imlay														.20				T.			.30											0.50
Lamoille |||							.46						.11	.14				.70						.80								2.21
Lovelock							.35						.10	.17								T.			.30							0.92
Metropolis |||						T.	.45						T.	T.			T.					T.	T.	.35								0.80
North Fork							.09						.08										.06									0.23
Paradise Valley						.40	T.						.25	.23			.16					T.	.04									1.08
Potts							.08											.24						.32								0.64
Tecoma							.56						.24					.24														1.04
Winnemucca***						.01	.14					T.	.02	.04			.03					.28	T.	.27								0.79
Truckee Basin.																																
Franktown						1.96	.32						T.	T.			.56				.40	.32	.16	.96								4.68
Marlette Lake |||					.01	.61	2.06	.17					.97	.46	.29		.68	.15	.06	.12	.09	.50	.28	2.37	.19							9.01
Reno***					T.	.14	.19					T.	.01	.04			.07		.04	.26	.54	.07	.18	.19								1.73
Bijou, Cal.						1.80	.60					.02	.10	.18	T.		.32	.07		.05	.50	.52	.86	1.38								6.40
McKinney, Cal.	T.				.04	1.72	1.76					.17	.51	.82		T.	1.36		.08	.17	.64	.87	.36	1.82								10.32
Tahoe, Cal. |||		.02			.09	1.87	1.31	.05					.78	.61	.17		.96	.02	.08	.08	.27	1.01	.40	1.56								9.28
Carson Basin.																																
Fallon |||							.21								.06									.22	.02							0.51
Gardnerville						.47	.65						T.				.12	.07		.62	.68	.52	.02	.64								3.79
Lahontan						.55																										0.55
Markleeville, Cal.					.76	.95						.11	.14				.36	.14	.95	.68	1.52	T.	1.04									6.65
Woodfords, Cal.					.10	1.10	.60					T.	.18	*	.44		.60	T.	.12	.90	1.10	.86	1.90	.80								8.70
Walker Basin.																																
Mina							.60											.16					.25									1.01
Smith					.06	.36	T.					T.				.10	.10	T.	T.	.22	.21	.15	.21									1.41
Thorne																																
Yerington						T.	.24							.02				.12		.08	.12	T.		.11								0.69
Bridgeport, Cal.																																
Shields Ranch, Cal.						.15	.75								.01		.05	.30		1.04	.75	.70		.85								4.60
Colorado Basin.																																
Indian Springs |||																																
Las Vegas							T.											T.				.71				T.						0.71
Logandale																		T.	.02			.80					.28					1.10
Pioche																																
Minor Basins.																																
Beatty																		.08				.95										1.03
Duck Flat						.23	.27						.10						.09		.12		.05									0.86
Francis (near)						.35	.24						.02	.06			.05		.02	.06	.22	.11	.05	.20								1.38
Gerlach							.01						.16						.08													0.25
Goldfield																	T.	.99	.02		T.		.02	.01								1.04
Jungo								.01							.20		.20															0.41
Lida																																
McDermitt						.02	.06						.14	.42								.04										0.68
McGill							.08						.12	.06				1.55				.14			.18							2.13
Millett						T.	.15					.01		.03				.06		.23	T.	.05		T.								0.53
Oasis Ranch						T.													T.	.64	.24	T.		.11	.16							1.15
Pahrump																		*	.61	.24				.30								1.15
Quinn River Ranch						T.	.05							.20			.16		T.	T.		.02	.05	.02	T.							0.50
Rebel Creek						.10	.16						.20	.06			.35	.02					.11	.12			.01					1.13
Sand Pass						.19	.34						.09	.05			.03		.07	T.	.12	.03	.02	.11								1.05
Searchlight																						.43				.04	.08					0.55
Sulphur							.02						.02	.04																		0.08
Tonopah***							T.							T.			.05	.18	T.	.04	T.	.03		.09								0.39
Vya |||						.45	.16					.24	.16							.08												1.09

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.
||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.
‡ Measured on 22d, dates of fall not given.

Daily evaporation (inches) and wind movement (miles) for February, 1918.

(See temperature and precipitation data in climatological tables, pages 12 to 14.)

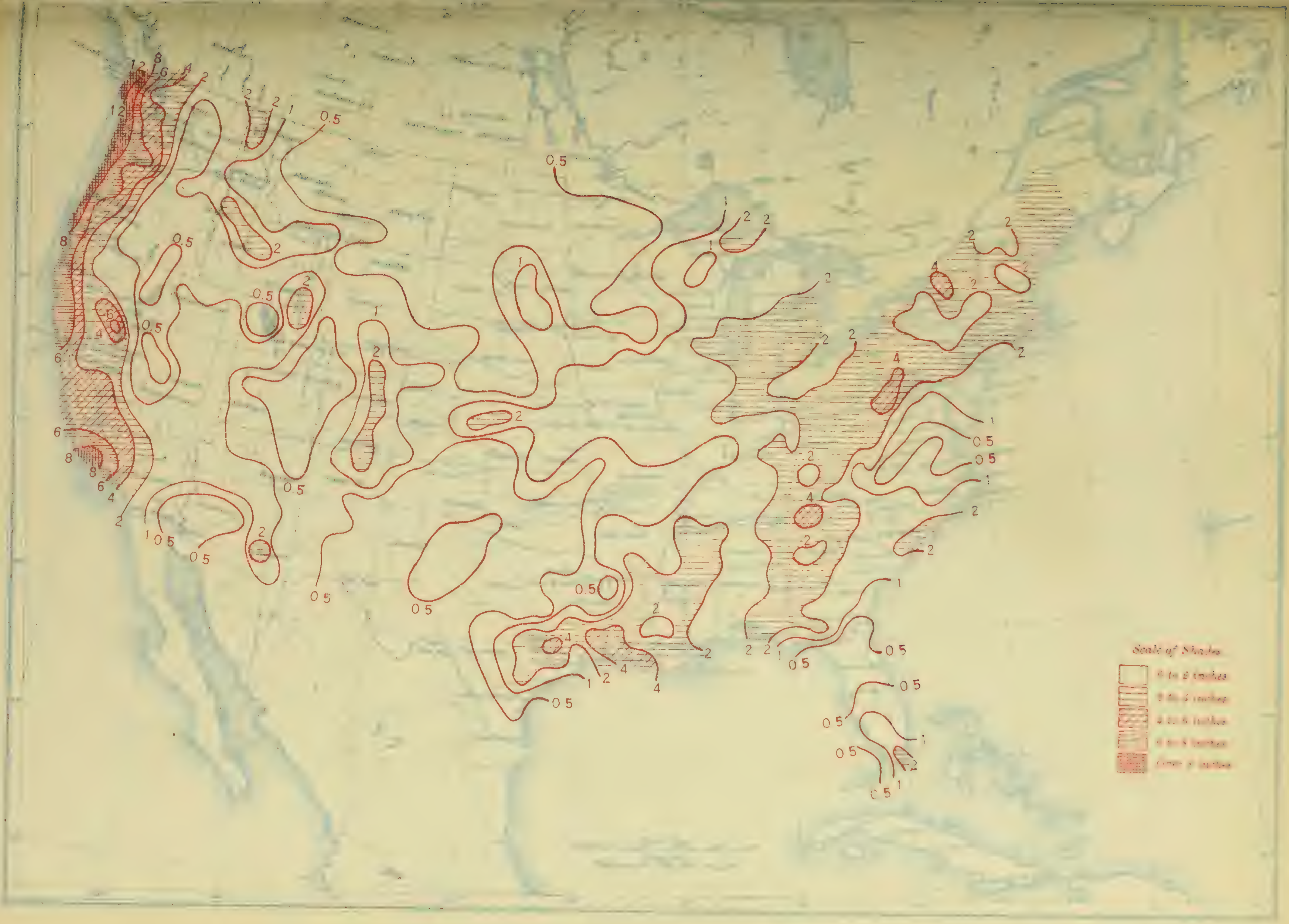
Stations.	Data.	Day of month.																														Monthly.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Indian Springs*	Evaporation	.055	.085	.050	.030	.110			.075	.005	.010	.015	.095						.030	.100													
	Wind movement	54	95	82	37	148	91	67	41	44	25	63	54	149	105	149	71	91	58	61	121	36	36	96	119	104	122	110					2,229
Lamoille*	Evaporation																																
	Wind movement																																
Marlette Lake*	Evaporation																																
	Wind movement																																
Tahoe, Cal.**	Evaporation																																
	Wind movement																																

* Observations taken at 7 a. m.; ** at 8 a. m. ‡ Included in next following entry.

Daily temperatures for February, 1918.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek (near)	Maximum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
	Minimum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
Owyhee	Maximum..	35	35	43	50	48	52	43	40	51	52	49	45	37	29	28	38	40	27	30	42	48	55	44	35	30	42	30	....	....	....	....	40.7
	Minimum..	−4	25	26	31	33	36	26	7	12	27	29	25	20	12	7	12	27	9	5	14	25	35	29	16	−4	16	9	....	....	....	....	18.7
San Jacinto	Maximum..	29	31	34	42	46	52	30	32	32	35	35	36	38	38	22	35	35	28	22	30	40	43	46	40	27	39	35	37	....	....	....	35.3
	Minimum..	−11	13	12	23	32	41	30	8	11	14	27	30	30	21	7	12	18	18	3	−8	18	16	30	21	0	11	18	3	....	....	....	16.0
Humboldt Basin.																																	
Austin	Maximum..	45	40	46	52	52	51	39	43	56	60	50	45	34	35	35	46	....	27	28	35	41	55	....	....	48	49	32	44	....	....	....	43.5
	Minimum..	4	23	20	28	30	32	27	13	18	22	24	24	14	18	2	15	....	16	5	15	23	30	....	....	6	12	15	9	....	....	....	17.8
Battle Mountain	Maximum..	51	50	52	50	53	60	60	40	44	46	58	59	59	42	33	42	42	30	32	41	50	51	50	51	53	44	44	40	....	....	....	47.4
	Minimum..	21	19	20	23	33	38	31	15	20	11	18	19	20	23	−10	10	15	10	8	11	13	12	11	13	15	10	15	8	....	....	....	16.1
Elko	Maximum..	25	40	52	50	51	45	45	36	35	38	48	48	38	31	30	49	41	35	35	36	42	48	54	50	40	41	37	38	....	....	....	41.4
	Minimum..	−1	11	18	18	31	30	31	3	−1	1	7	28	23	22	−7	−3	23	23	2	2	16	23	23	25	4	10	19	9	....	....	....	13.8
Eureka	Maximum..	32	41	48	49	50	59	45	41	51	50	53	46	39	38	33	42	40	30	29	34	41	40	44	41	34	53	36	42	....	....	....	42.2
	Minimum..	−2	20	17	30	27	31	25	8	12	18	23	30	20	28	10	12	25	15	2	15	18	31	30	27	−2	10	18	10	....	....	....	18.1
Imlay	Maximum..	45	40	58	55	56	55	54	53	55	58	59	54	45	35	42	44	45	34	36	44	45	46	48	45	40	45	46	47	....	....	....	47.5
	Minimum..	15	26	29	31	34	36	20	15	22	16	29	36	25	−6	15	7	30	17	8	20	32	31	30	11	15	16	17	14	....	....	....	21.1
Lamoille	Maximum..	34	42	43	51	49	52	34	43	43	45	47	45	30	28	29	48	42	26	28	34	37	50	50	30	42	44	49	49	....	....	....	40.9
	Minimum..	13	13	15	15	36	31	29	11	8	9	25	25	19	18	4	4	22	18	7	0	15	15	37	29	2	3	14	5	....	....	....	15.8
Lovelock	Maximum..	38	45	53	53	52	53	52	47	48	55	55	51	45	39	29	39	39	38	37	40	43	47	47	46	36	47	47	47	....	....	....	45.3
	Minimum..	2	26	12	16	28	35	22	15	16	17	28	37	24	26	12	29	29	20	16	23	24	27	19	33	12	27	22	12	....	....	....	21.8
Metropolis	Maximum..	21	35	42	40	45	50	39	35	38	37	41	41	32	25	27	36	31	29	29	29	35	38	38	37	30	33	33	35	....	....	....	35.0
	Minimum..	−9	9	12	14	25	26	28	−4	−4	−7	4	28	21	17	−8	9	15	20	8	5	18	25	25	20	−12	−4	1	−9	....	....	....	9.8
Paradise Valley	Maximum..	30	51	50	46	54	55	42	42	50	54	57	56	48	40	34	31	40	34	38	42	50	51	45	39	35	46	39	46	....	....	....	44.5
	Minimum..	3	16	15	21	32	31	26	15	18	17	25	33	23	21	6	9	26	8	3	10	22	20	22	23	5	19	19	12	....	....	....	17.9
Potts	Maximum..	38	40	45	50	48	52	54	58	40	45	40	40	45	50	49	47	45	50	47	54	49	45	50	40	40	39	45	50	....	....	....	46.2
	Minimum..	3	6	8	10	20	31	23	4	6	10	−8	6	10	16	20	18	18	22	20	24	20	30	28	−16	−3	2	18	20	....	....	....	13.1
Tecoma	Maximum..	24	28	37	51	53	51	55	48	40	38	50	51	48	35	36	30	35	37	40	33	31	30	39	38	37	40	39	40	....	....	....	39.8
	Minimum..	−11	6	11	9	20	18	22	−5	−6	−4	0	0	18	11	−2	−7	12	22	0	−12	−1	3	10	8	6	7	5	3	....	....	....	5.1
Winnemucca	Maximum..	33	46	55	55	54	57	43	44	49	56	56	45	42	36	32	45	39	34	36	42	45	52	44	36	35	45	38	45	....	....	....	44.2
	Minimum..	11	22	24	23	31	30	22	16	23	23	30	34	24	9	1	17	22	17	14	17	22	30	25	11	6	18	22	17	....	....	....	20.0
Truckee Basin.																																	
Marlette Lake	Maximum..	....	34	48	44	37	32	27	41	48	47	41	30	21	21	24	31	21	23	25	23	28	29	28	25	31	41	27	36	....	....	....	32.0
	Minimum..	11	....	12	18	26	28	22	11	10	12	13	27	14	13	−2	−2	16	3	2	8	14	19	19	18	6	2	5	5	....	....	....	12.2
Reno	Maximum..	50	52	59	62	56	49	44	47	57	62	60	48	38	40	41	51	40	34	38	33	35	46	44	34	36	47	39	43	....	....	....	45.9
	Minimum..	16	28	23	30	34	37	30	23	26	25	36	37	26	18	11	20	26	18	18	26	25	32	29	17	10	14	22	17	....	....	....	24.1
Tahoe, Cal	Maximum..	38	46	47	51	44	38	41	42	45	38	49	31	28	30	34	41	34	32	32	32	33	36	33	36	38	43	32	46	....	....	....	38.2
	Minimum..	10	25	21	22	28	30	28	14	19	21	21	30	19	21	0	9	25	8	8	20	22	28	26	23	8	10	10	10	....	....	....	18.4
Carson Basin.																																	
Fallon §§	Maximum..	48	50	52	62	58	59	46	47	53	59	64	52	45	47	35	56	48	38	42	44	47	54	55	40	38	51	39	46	....	....	....	49.1
	Minimum..	10	14	14	21	27	35	30	19	19	16	25	35	28	30	4	13	23	21	15	24	27	30	17	29	13	16	24	13	....	....	....	21.1
Gardnerville	Maximum..	57	58	....	64	63	63	63	64	60	....	61	61	61	61	61	60	59	58	58	57	57	55	56	....	43	47	47	45	....	....	....	57.6
	Minimum..	7	21	....	16	31	39	31	21	23	....	22	38	30	30	15	15	30	16	16	22	21	27	30	....	6	1	3	3	....	....	....	20.6
Lahontan	Maximum..	52	51	55	63	58	57	48	47	....	....	....	....	....	....	47	54	47	40	40	35	38	51	48	39	40	52	44	46	....	....	....	47.8
	Minimum..	10	28	23	30	35	38	32	24	....	....	....	....	....	....	10	20	32	24	19	23	28	32	25	31	16	20	23	19	....	....	....	24.6
Walker Basin.																																	
Mina	Maximum..	44	43	41	49	46	49	51	48	46	51	43	50	49	46	48	45	43	56	42	47	43	45	43	41	48	53	47	49	....	....	....	46.6
	Minimum..	20	19	21	18	22	25	26	29	24	18	22	24	25	23	21	22	21	16	23	28	22	21	19	22	16	19	23	18	....	....	....	21.7
Yerington	Maximum..	57	52	60	66	59	60	47	52	58	61	69	56	49	49	46	59	50	40	43	35	35	54	49	44	44	54	45	51	....	....	....	51.6
	Minimum..	3	22	12	18	38	35	33	18	18	20	23	35	31	25	5	12	36	21	11	27	23	31	25	31	14	17	20	12	....	....	....	22.0
Bridgeport, Cal	Maximum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
	Minimum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
Colorado Basin.																																	
Indian Springs	Maximum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
	Minimum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
Las Vegas	Maximum..	60	60	65	67	72	75	73	67	70	72	74	72	71	79	54	72	65	60	52	65	69	65	72	68	68	74	60	70	....	....	....	67.5
	Minimum..	16	25	20	29	36	35	49	41	25	27	27	26	25	25	26	26	22	26	22	36	36	48	45	47	47	41	43	28	....	....	....	32.1
Logandale	Maximum..	50	58	67	69	61	70	73	64	67	74	69	69	74	62	57	60	72	63	53	60	70	63	70	68	67	70	63	63	....	....	....	65.2
	Minimum..	17	26	25	31	38	28	35	40	32	31	25	31	34	28	33	22	32	41	27	40	42	45	45	44	44	45	47	37	....	....	....	34.5
Pioche	Maximum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
	Minimum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
Minor Basins.																																	
Beatty	Maximum..	47	55	63	65	64	66	62	59	65	71	71	65	61	54	51	56	64	52	41	45	60	56	57	59	58	63	62	58	....	....	....	58.9
	Minimum.	11	17	20	23	33	27	33	24	21	25	25	29	22	19	22	16	14	29	15	34	32	38	33	40	32	38	39	24	....	....	....	26.2
Gerlach	Maximum..	39	48	52	61	55	53	47	44	51	56	55	55	47	36	34	47	44	36	35	35	39	46	46	43	40	51	49	45	....	....	....	46.0
	Minimum..	11	26	15	19	22	35	30	19	20	28	27	38	22	−6	5	10	31	16	17	21	25	35	20	30	13	23	25	14	....	....	....	21.1
Goldfield	Maximum..	37	48	54	49	53	60	48	40	54	59	61	59	48	49	49	47	44	33	26	31	39	43	47	45	38	54	42	45	....	....	....	46.5
	Minimum..	7	14	20	27	26	36	26	16	17	20	25	31	31	18	9	14	23	21	3	24	24	32	33	31	16	23	28	16	....	....	....	21.8
McDermitt	Maximum..	29	43	52	51	50	52	45	43	50	52	52	45	40	28	29	40	37	27	34	40	46	49	44	37	34	45	37	43	....	....	....	41.9
	Minimum..	7	16	25	28	33	34	27	20	22	25	26	31	22	19	3	19	3	22	7	8	8	20	22	24	23	7	22	20	....	....	....	19.4
McGill	Maximum..	57	40	52	55	50	58	52	41	50	60	58	52	50	40	32	48	42	36	29	32	43	42	42	39	36	49	39	41	....	....	....	45.2
	Minimum..	2	21	19	19	35	31	30	17	13	18	26	36	22	18	7	10	23	20	−4	1	11	25	32	34	5	16	20	12	....	....	....	18.4
Millett	Maximum..	44	46	49	51	53	63	51	46	52	55	59	55	45	46	36	48	47	39	33	35	40	47	50	46	39	55	41	49	....	....	....	47.1
	Minimum..	15	4	6	14	30	30	30	6	2	5	11	38	28	24	4	1	30	21	−2	20	20	27	32	33	7	10	21	5	....	....	....	16.9
Oasis Ranch	Maximum..	42	48	47	52	56	54	65	53	52	56	61	62	56	51	44	45	48	39	35	37	38	42	48	48	37	48	45	44	....	....	....	48.3
	Minimum..	6	7	12	21	23	32	31	18	11	15	14	24	30	12	13	20	29	24	9	26	30	32	31	34	20	23	30	20	....	....	....	21.3
Rebel Creek	Maximum..	36	45	56	57	53	53	44	45	53	55	55	49	41	33	31	44	41	31	39	42	45	52	43	38	36	46	40	46	....	....	....	44.6
	Minimum..	10	21	27	29	36	40	30	17	22	25	30	33	22	20	3	20	25	12	8	9	21	30	25	24	7	23	20	15	....	....	....	21.6
Sand Pass	Maximum..	46	48	43	62	56	51	46	46	49	53	60	55	45	37	34	50	40	37	35	38	38	50	41	40	41	51	44	48	....	....	....	45.9
	Minimum..	13	28	20	24	34	42	32	20	25	21	31	40	28	27	9	16	30	17	18	25	28	33	25	30	13	23	21	16	....	....	....	24.6
Searchlight	Maximum..	46	52	59	68	64	70	59	55	57	63	63	63	61	59	51	58	60	55	46	50	61	54	61	55	62	60	50	60	....	....	....	57.9
	Minimum..	22	29	38	48	46	43	46	37	37	47	39	40	45	33	33	33	36	34	25	33	38	44	43	44	42	46	40	42	....	....	....	38.7
Sulphur	Maximum..	31	48	47	47	60	56	49	48	50	56	57	56	48	36	35	47	46	39	38	41	46	47	47	47	49	50	51	47	....	....	....	47.1
	Minimum..	....	....	....	....	....	9	10	11	12	15	7	18	20	22	17	12	4	3	13	16	19	20	23	23	9	11	13	12	....	....	....	12.8
Tonopah	Maximum..	32	40	49	45	47	57	40	41	49	54	55	53	42	45	32	42	40	25	22	28	39	42	42	39	36	46	31	41	....	....	....	41.2
	Minimum..	15	21	28	33	35	35	25	22	30	33	37	38	23	17	13	19	24	17	10	21	25	31	31	23	13	27	20	17	....	....	....	24.4

§§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades
0 to 2 inches
2 to 4 inches
4 to 6 inches
6 to 8 inches
Over 8 inches

Snowfall in the elevated regions of Nevada Section, February, 1918.

The long dry period in the west and south portions of Nevada was broken by moderately heavy precipitation in February. Snow began to fall in the Sierras on the 5th, and continued, with the exception of short intervals, until the 24th. In the vicinity of Summit, Cal., the average amount of water in the snow cover at the close of February was about 21.0 inches, and this is practically one-half of the normal amount of water in the snow at the end of the season, when the snow cover contains the maximum amount of water. In the Lake Tahoe district the percentage of water in the snow cover as compared with normal was slightly less than at Summit, but this was due to the fact that most of the precipitation on the 6th at the lake elevation was in the form of rain and was received by the soil, as the ground was practically bare at that time. The snowfall was moderately heavy in all western basins. In the northeastern mountain districts the fall was about normal, and added much to the amount which was on the ground at the beginning of the month.

In view of the fact that the snow in the mountains at the close of February should be increased materially during March and April, the outlook for the coming season's water supply is encouraging. As we go to press a storm in progress in the Sierras has already added from 30 to 40 inches of snow to the amount in storage.

In the Truckee Basin, the amount of precipitation for February averaged nearly double the normal. The monthly amount of snowfall at regular stations ranged from 62 to 88 inches. As the ground was nearly bare at the beginning of the month, the depth of snow on the ground at the close of the month was considerably below normal.

The snowfall was heavy in the Carson Basin, the excesses above normal being greater than in the Truckee Basin. The precipitation for the month at Woodfords was 8.70 inches, and at Markleville it was 6.65 inches. The depths at the end of the month were greater than usual at that season of the year.

About the same snowfall conditions prevailed in the Walker Basin as in the Carson and Truckee Basins, the February snowfall being heavy in the high mountains of that district.

The Humboldt Basin was the only large watershed in the State which received a normal supply of snowfall during January. The February fall of snow was slightly greater than normal, and the month closed with about the usual depth of snow cover for that season of the year.

During the month the rise in Lake Tahoe amounted to about one-half foot. The level of the lake was 6,227.58 on the 28th, or .77 of a foot lower than at the same time of last year.

SNOWFALL.

(Inches.)

Stations.	Counties.	Altitude.	Total snowfall.	Amount on ground on 15th of month.	Amount on ground on last day of month.	Depth on last day of month compared with normal.
Truckee Basin.						
Bijou, Cal	Eldorado	6,230	62.0	8	31	− 1
McKinney, Cal	Placer	6,225	88.0	22	46	− 4
Marlette Lake	Washoe	7,900	85.0	43	66	−19
Tahoe, Cal	Placer	6,230	87.0	24	39	−14
Truckee, Cal	Nevada	5,818	64.0	14	24	− 3
Carson Basin.						
Markleeville, Cal	Alpine	5,525	57.0	0	27	+17
Woodfords, Cal	do	5,634	75.0	4	22	+14
Walker Basin.						
Bridgeport, Cal	Mono	6,500	......	......	......	......
Shield's Ranch, Cal	do	5,300	34.0	T.	14	+10
Smith	Lyon	4,800	5.0	0	T.	− 1
Humboldt Basin.						
Arthur	Elko	6,500	26.3	14	9	− 4
Beowawe	Lander	4,695	8.7	......	......	......
Eureka	Eureka	6,837	23.0	4	4	+ 1
Hylton	Elko	7,081	16.0	8	10	+ 6
Lamoille	do	6,100	48.5	......	......	......
Metropolis	do	5,661	12.0	2	4	+ 2
Millett	Nye	5,040	7.5	......	......	......
North Fork	Elko	6,500	8.0	6	8	− 4
Winnemucca	Humboldt	4,344	4.1	......	0	0

T. indicates a trace.

NNE

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

NEVADA SECTION

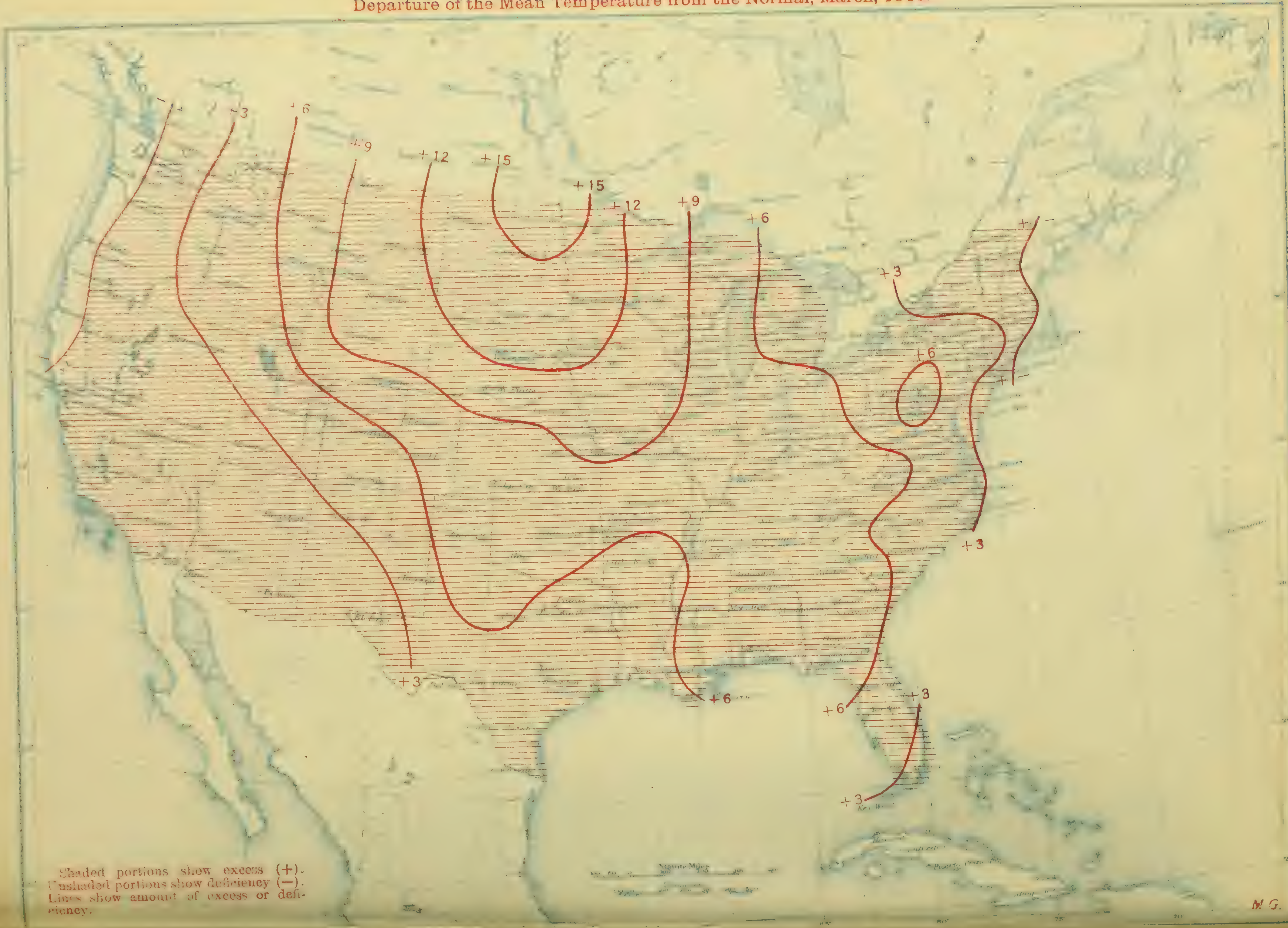
MARCH, 1918

BY
HENRY F. ALPS
METEOROLOGIST

1862 1889

RENO, NEV.
WEATHER BUREAU OFFICE
APRIL 17, 1918.

Departure of the Mean Temperature from the Normal, March, 1918.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALPS, Meteorologist.

Vol. XXXIII. Reno, Nevada, March, 1918. No. 3.

GENERAL SUMMARY.

The heavy precipitation in Nevada during February was followed by heavy amounts in March, with the exception of a comparatively dry area extending from Mineral County northward to the south portion of Humboldt County, thence northeastward through the central one-third of Elko County. The greatest excesses in precipitation occurred in the extreme south portion of the State, and over the eastern slope of the Sierra Nevada Mountains. Marlette Lake received 7.45 inches of moisture, most of which was in the form of snow. The precipitation was moderately heavy in the mountains of the central and northern portions of the State. There were three periods of precipitation during the month, the first extending from the 4th to the 13th, the second from the 18th to the 20th, and the third from the 25th to the 27th.

The snowfall for the State averaged 5.2 inches. The snowfall conditions in the watersheds of the principal streams in Nevada are given on the last page of this bulletin.

Temperatures were generally a few degrees above normal, except during a moderately cool period which extended from the 5th to the 16th.

The warm weather that prevailed during most of the month and the ample moisture were favorable for the advance of grass and grains, and the latter half of the month was especially favorable for ranch activities. Plowing and planting were in progress in all of the agricultural valleys. Corn planting had started in Clark County, and asparagus was being shipped from Moapa Valley. There were some losses in pitted potatoes on account of the mild winter. Cattle and sheep were in good condition, and were being moved to summer ranges in the lower elevations. On ranches where lambing was in progress, good increases were reported.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 42 stations, was 42.1°. The mean for the 26 stations having ten or more years' record was 2.7° above normal. The highest recorded was 88°, at Las Vegas on the 31st; the lowest was −5°, at Marlette Lake on the 9th. The greatest daily range was 65°, at Battle Mountain on the 31st. The highest monthly mean was 57.8°, at Logandale; the lowest was 25.3°, at Marlette Lake.

PRECIPITATION.

The average for 50 stations reporting was 1.29 inches. For the 28 stations having ten or more years' record, the mean was 0.28 inch above the normal. The average amount at 4 stations in the Columbia Basin was 0.78 inch; at 16 stations in the Humboldt Basin, 1.01 inches; at 6 stations in the Truckee Basin, 5.49 inches; at 5 stations in the Carson Basin, 3.21 inches; at 5 stations in the Walker Basin, 1.15 inches; at 2 stations in the Colorado Basin, 2.36 inches; at 18 stations in the minor basins, 1.26 inches. The greatest monthly fall was 7.45 inches, at Marlette Lake. There was none at Tecoma. The average number of days with precipitation was 5.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric pressure (sea level).			Mean relative humidity.		Wind.			
	Mean.	Highest.	Lowest.	5 a. m.	5 p. m.	Average hourly velocity.	Max. velocity.		
							Miles per hour.	Direc.	Date.
Reno	30.04	30.64	29.59	75	48	6.4	42	sw.	4
Winnemucca	30.02	30.62	29.39	78	41	7.7	42	sw.	11
Tonopah	29.97	30.42	29.45	64	46	11.5	45	se.	10

SUNSHINE AND CLOUDINESS.

At Reno, 64 per cent of the possible sunshine was recorded; at Winnemucca, 68 per cent; at Tonopah, 74 per cent. For the State, the average number of clear days was 15; partly cloudy, 7; cloudy, 9.

MISCELLANEOUS PHENOMENA.

(Dates of.)

Brisk winds.—3, 4, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 24, 26, 27.
Solar halos.—9, 16, 23.
Lunar halos.—20, 27.
Thunderstorms.—7, 12.
Fogs.—5, 10, 20.
Sleet.—12, 13, 18, 19, 27.
Mock suns.—4, 5, 11, 22.

COMPARATIVE DATA FOR MARCH.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	44.1	85	12	1.45	1.7	5	14	8	9	s.
1890	39.0	82	−15	1.71	7.0	6	13	8	10	s.
1891	38.9	78	2	1.55	6.7	6	10	10	11	sw.
1892	40.3	78	− 2	1.81	12.8	8	9	11	11	w.
1893	35.9	85	−21	1.90	15.6	7	8	9	14	s.
1894	38.4	88	−13	1.02	9.1	5	9	4	18	sw.
1895	37.7	80	−23	0.82	5.2	4	14	9	8	w.
1896	39.1	90	−18	1.15	7.1	6	10	9	12	w.
1897	30.9	80	−19	1.39	13.3	7	9	9	13	w.
1898	35.0	79	−10	0.63	6.8	4	14	9	8	w.
1899	38.6	79	4	1.83	5.7	7	9	8	14	sw.
1900	44.2	81	3	0.51	3.3	3	17	5	9	sw.
1901	38.9	90	0	0.59	4.8	4	15	7	9	w.
1902	35.2	69	0	1.47	10.3	6	11	8	12	sw.
1903	38.7	90	− 8	1.41	9.2	5	12	7	12	s.
1904	39.7	80	0	1.69	5.7	8	8	8	15	sw.
1905	41.8	82	3	1.43	2.4	6	12	6	13	sw.
1906	38.5	83	−15	1.68	6.8	7	10	9	12	w.
1907	38.3	83	−10	2.66	20.5	8	6	10	15	s.
1908	40.7	91	− 6	0.30	2.8	2	16	10	5	w.
1909	38.8	80	−10	0.67	5.4	4	12	11	8	w.
1910	45.9	88	10	0.17	0.6	2	16	8	7	sw.
1911	42.7	93	3	1.21	5.3	6	15	7	9	s.
1912	37.3	78	− 1	1.17	10.3	6	11	10	10	w.
1913	37.2	91	−15	0.35	4.4	3	14	9	8	w.
1914	44.4	87	4	0.19	1.8	2	20	7	4	s.
1915	42.8	89	− 5	0.45	2.8	3	16	8	7	w.
1916	45.2	92	− 2	0.74	4.7	4	18	6	7	w.
1917	33.3	89	−14	0.47	5.9	3	15	7	9	w.
1918	42.1	88	− 5	1.29	5.2	5	15	7	9	s.
Entire period	39.5	93	−23	1.12	6.8	5	13	8	10	w.

Climatological data for March, 1918.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days.				Prevailing direction of the wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	5	28.3	......	49	30	0	6	32	5	0.21	....	0.09	....	4	21	4	6	s.	U. S. Forest Service.
Mahoney Ran. Sta.**	do	6,200	3	31.2^d	......	51^f	18	5^b	6	33^f	3	1.15	....	0.40	7.0	6	15	2	14	......	Do.
Owyhee	do	5,400	7	40.2	......	67	30	9	6	40	7	1.61	....	0.64	7.0	8	13	5	13	s.	E. A. Schwab.
San Jacinto	do	5,200	13	38.9	+2.7	69	30	12	27	53	13	0.16	−0.75	0.12	1.0	2	16	5	10	s.	Utah Construction Co.
Humboldt Basin.																					
Arthur	Elko	6,500	......	......	......	......	......	......	......	......	8	2.03	+1.09	0.51	4.7	5	19	8	4	......	Isaac Woodhouse.
Austin	Lander	6,594	29	40.0	+4.7	63	23	15	8	35	29	0.92	−0.58	0.40	0.9	4	14^a	7^a	9^a	......	Forest Service.
Battle Mountain	do	4,513	47	41.6	+0.2	75	31	10	31	65	49	T.	−0.68	T.	0	0	17	7	7	......	Southern Pacific Co.
Beowawe	Eureka	4,695	47	42.6	+1.8	74	†30	18	†14	46	49	0.16	−0.49	0.16	2.0	1	15	10	6	sw.	Do.
Clover Valley**††	Elko	6,000	17	38.8	+2.3	64	25	10	1	36	25	0.73	−0.81	0.22	0	6	21	3	7	......	J. D. Weeks.
Elko	do	5,063	47	42.4	+5.5	72	3	12	2	47	48	0.17	−1.31	0.10	0	3	14	8	9	sw.	Western Pacific Co.
Eureka	Eureka	6,837	20	40.3	+3.3	68	30	15	1	41	22	2.30	+0.15	0.65	3.2	6	13	6	12	s.	Clay Simms.
Golconda	Humboldt	4,392	39	42.2	+1.7	70	30	18	13	36	41	2.04	+1.47	0.97	3.0	5	7	20	4	w.	Southern Pacific Co.
Hylton **	Elko	7,081	......	......	......	......	......	......	......	......	8	1.41	....	0.50	5.0	5	15	14	2	s.	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	5	41.7	+1.5	71	30	20	5	46	5	1.93	+1.38	0.48	1.2	11	7	6	18	n.	Southern Pacific Co.
Lamoille	Elko	6,100	3	37.3	......	66	30	2	16	53	3	1.81	−0.22	0.74	......	7	15	7	9	se.	Elko-Lamoille Power Co.
Lovelock ††	Humboldt	3,977	24	43.0	−0.7	74	30	15	1	45	22	0.71	+0.41	0.36	0	4	13	0	18	w.	John R. Montgomery.
Metropolis §	Elko	5,661	5	37.3	......	66	30	10	1	43	9	T.	−1.15	T.	T.	0	17	10	4	......	L. F. Hatch.
North Fork	do	6,500	......	......	......	......	......	......	......	......	9	0.64	....	0.20	5.0	6	7	10	14	s.	Roy C. Pratt.
Paradise Valley	Humboldt	4,500	5	41.0	......	70	†24	12	3	46	9	0.62	....	0.31	3.0	4	11	8	12	n.	F. C. Buckingham.
Potts	Nye	6,002	25	42.0	+8.7	61	29	19	16	36	27	0.20	−0.63	0.12	2.5	2	19	8	4	s.	Miss Irene Potts.
Tecoma	Elko	4,812	40	40.0	+2.8	75	31	8	1	48	42	0.00	−0.40	0.00	0	0	13	14	4	w.	Southern Pacific Co.
Winnemucca	Humboldt	4,344	41	42.2	+2.6	73	30	22	5	46	49	1.95	+1.00	0.62	3.7	11	12	5	14	sw.	U. S. Weather Bureau.
Truckee Basin.																					
Franktown	Washoe	5,054	2	37.4^b	−2.8	68^b	30	8^b	1	40^b	2	1.89	....	0.88	17.0	5	15^c	5^c	8^c	......	Agent V. & T. Ry.
Marlette Lake**	do	7,900	3	25.3^a	......	54^a	30	−5^a	9	52^b	5	7.45	....	2.23	70.5	13	12^a	4^a	14^a	sw.	V. & G. H. Water Co.
Reno	do	4,532	31	40.4	−0.6	73	30	14	9	41	31	2.51	+1.29	0.74	20.1	9	12	6	13	w.	U. S. Weather Bureau.
Bijou, Cal.		6,230	3	26.0	......	54	29	−13	9	55	9	5.04	....	1.53	54.0	10	5	15	11	sw.	Chas. Young.
McKinney, Cal.**		6,225	......	......	......	......	......	......	......	......	9	7.42	....	2.12	86.5	13	14	4	13	sw.	Henry Soll.
Tahoe, Cal.		6,230	10	31.6	......	55	29	7	14	36	10	8.63	....	1.89	80.0	15	12	4	15	s.	Mrs. Emma C. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	24	44.0	+2.7	73	30	16	1	46	24	0.62	+0.14	0.18	0.5	7	20	4	7	s.	U.S. Experiment Station.
Gardnerville	Douglas	4,830	27	39.8	−2.2	69	31	3	9	49	28	2.81	+1.40	1.19	15.0	7	20	6	5	sw.	Forest Service.
Lahontan **	Churchill	4,200	6	44.8^a	......	74^a	31	23^a	†1	38^a	8	0.26	....	0.14	0	2	16^a	10^a	4^a	sw.	U.S. Reclamat'n Service.
Markleeville, Cal.		5,525	......	......	......	......	......	......	......	......	9	5.57	....	1.50	36.0	8	16	5	10	s.	Mrs. Mary Thornburg.
Woodfords, Cal.**		5,634	......	......	......	......	......	......	......	......	9	6.81	....	1.50	46.0	8	18	1	12	sw.	Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	11	42.6	−1.7	72	27	13	4	46	22	0.29	+0.06	0.22	0	2	11	0	20	......	Southern Pacific Co.
Smith	Lyon	4,800	......	......	......	......	......	......	......	......	10	0.96	....	0.25	3.0	6	15	7	9	sw.	C. M. Carter.
Thorne §	Mineral	4,200	5	53.2	+8.5	76	22	27	29	44	5	T.	−0.22	T.	0	0	6	24	1	w.	Southern Pacific Co.
Yerington §	Lyon	4,375	9	43.6	+1.2	75	30	16	†1	48	9	0.76	+0.31	0.29	3.2	4	14	4	13	n.	W. H. Churchyard.
Bridgeport, Cal.		6,500	5	......	......	......	......	......	......	......	7	......	....	......	......	......	......	......	......	......	Robert Crawford.
Shields Ranch, Cal.**		5,300	......	......	......	......	......	......	......	......	9	3.76	....	1.18	27.0	7	22	2	7	......	Bruce H. Chichester.
Colorado Basin.																					
Indian Springs §**	Clark	3,136	5	......	......	......	......	......	......	......	5	......	....	......	......	......	......	......	......	......	Ira MacFarland.
Las Vegas	do	2,033	16	57.2	+5.8	88	31	27	1	44	16	2.63	+2.42	1.55	0	5	19	2	10	s.	C. P. Squires.
Logandale §	do	1,355	11	57.8	+2.8	86	31	33	9	43	19	2.08	+1.36	1.02	0	9	19	5	7	......	Bert Mills.
Pioche	Lincoln	6,100	20	......	......	......	......	......	......	......	20	......	....	......	......	......	......	......	......	......	John Robinson.
Minor Basins.																					
Beatty	Nye	3,309	2	50.8	......	83	31	24	10	43	2	1.88	....	0.64	0	9	19	5	7	s.	E. E. Palmer.
Duck Flat **	Washoe	4,725	......	......	......	......	......	......	......	......	4	0.82	....	0.35	......	6	15	8	8	sw.	C. T. Smith.
Francis (near)	do	5,350	......	......	......	......	......	......	......	......	4	1.91	....	0.53	10.2	10	15	5	11	sw.	Geo. W. Barnard.
Gerlach	do	3,931	6	41.9	......	75	31	14	1	41	6	0.29	....	0.24	3.2	5	9	0	22	sw.	Western Pacific Co.
Goldfield	Esmeralda	5,700	11	43.0	0.0	69	†30	15	13	37	13	2.08	+1.22	0.54	T.	8	17	4	10	s.	R. W. Robinson.
Jungo	Humboldt	4,165	......	......	......	......	......	......	......	......	5	0.05	....	0.02	2.0	3	13	10	8	......	Western Pacific Co.
Lida	Esmeralda	6,037	6	......	......	......	......	......	......	......	6	......	....	......	......	......	......	......	......	......	F. H. Aubrey.
McDermitt	Humboldt	4,700	7	41.8	+3.7	70	30	19	6	36	31	1.49	+0.26	0.48	......	7	16	10	5	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	8	40.9	+6.9	68	30	15	14	41	8	1.04	−0.28	0.37	9.7	5	18	5	8	n.	R. E. Middagh.
Millett	Nye	5,040	10	41.2	+2.2	69	29	6	9	51	11	0.41	+0.02	0.25	0	3	17	1	13	s.	Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	6	41.2	+3.5	73	31	20	†1	44	6	0.50	+0.13	0.50	T.	1	19	1	11	......	Arthur L. Stewart.
Pahrump	Nye	2,608	5	46.3	......	70	11	21	13	38	5	1.83	....	0.45	0	6	17	6	8	s.	F. M. Buol.
Quinn Riv. Ranch **	Humboldt	4,850	16	40.3^a	0.0	74^a	30	10^a	5	54^a	17	1.28	+0.43	0.33	......	8	13^a	6^a	11^a	s.	F. M. Payne.
Rebel Creek	do	4,300	6	42.6	......	73	30	18	†5	41	7	1.68	....	0.55	9.2	9	6	11	14	sw.	Fred Whitaker.
Sand Pass **	Washoe	4,198	5	42.4	......	73	30	17	1	40	5	1.52	....	0.45	6.5	9	12	7	12	w.	R. R. Mott.
Searchlight	Clark	3,445	5	54.0	......	81	31	33	9	27	5	3.71	....	1.57	0	8	16	5	10	s.	C. L. Aug. Mahn.
Sulphur	Humboldt	4,044	5	41.8^c	......	73^c	30	18^c	†1	44^c	5	0.10	....	0.10	0	1	17^c	4^c	7^c	......	Western Pacific Co.
Tonopah	Nye	6,090	13	41.5	......	65	30	19	13	27	13	0.57	....	0.18	1.4	8	16	8	7	se.	U. S. Weather Bureau.
Vya	Washoe	5,500	......	......	......	......	......	......	......	......	5	1.76	....	0.40	12.0	8	15^f	1^f	9^f	sw.	L. A. Mariette.
For the State				42.1	+2.7	88	31	−5	9	65	....	1.29	+0.28	2.23	5.2	5	15	7	9	s.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Mahoney Ranger Station, Jarbridge; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of McKinney, Hellman's, Lake Tahoe, Cal.; of Lahontan, Hazen; of Woodfords, Cal., Sheridan, Nev.; of Shields Ranch, Coleville, Cal.; of Duck Flat, Sunkist; of Oasis Ranch, Oasis, Cal.; of Quinn River Ranch, Amos; of Sand Pass, Sheepshead.

Reference letters, ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing, for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow

Daily precipitation for March, 1918.

Stations.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Columbia Basin.																																
Gold Creek (near)							T	.05		T		.09							.05							.02						0.21
Mahoney Ranger Station ‖				T.	.17		T	.12		T.	.20	.05	.21					T.									.40					1.15
Owyhee				.09				.24			.26	.16							.03	.03						.16	.64					1.61
San Jacinto					T			T				.12	T.					T	T.	T					T		.04					0.16
Humboldt Basin.																																
Arthur																																
Austin							.42	.39				.51	T.					.18	T								.23					2.03
Battle Mountain								.20				.17						.15									.40					0.92
Beowawe																		T.								T						T
Clover Valley					.16																											0.16
Elko								.20				.22	.08					.10	.05						*	.08						0.73
Eureka					T.							.03					.10			.04							T					0.17
Golconda						T.	.65					.40						.50	.30	.10							.35					2.30
Hylton					.24		.97			.13		T.							.30							.40						2.04
Imlay								.25				.50						.20	.05							T	.41					1.41
Lamoille ‖				.02	.01		.41	.21		.18	.01	.26						.01	.48							.27	.07					1.93
Lovelock					.14	.06		.20					.56					.05	.06								.74					1.81
Metropolis ‖							.10	.15				.36							.10													0.71
North Fork							T.	T.			T							T.	T.								T					T
Paradise Valley					.03						.15	.12							.08	.06							.20					0.64
Potts								.31			T.	.11						.06	T.								.14					0.62
Tecoma						T.								.08				T.							.12							0.20
Winnemucca***																																0.00
				.02	.01		.41	.21		.18	.01	.25						.01	.48							.29	.08					1.95
Truckee Basin.																																
Franktown							.88			.08	.40								T.							.21	.32					1.89
Marlette Lake ‖					.08	.14	.51	.42	.06		.67	2.23	.97					.04	.78	.09						.30	1.16					7.45
Reno ***				T.	.10	.39	.49			.39	.36	.37						.06	.19						T	.16						2.51
Bijou, Cal.				T.	T.	.40	.90			.18	.38	1.53	.10					.20	.85							.15	.35					5.04
McKinney, Cal.				.06	.13	.43	1.06	.04		.26	.95	2.12	.51				T.	.20	.82						T.	.21	.63					7.42
Tahoe, Cal. ‖				T.	.24	.14	1.46	.27	T.	.04	1.06	1.89	.98					.18	.82	.04			.03		.12	.29	1.07					8.63
Carson Basin.																																
Fallon ‖						.03	.16	.04					.06					.07	.08	.18												0.62
Gardnerville						.24	1.19			.25	.14	.50	.09						.40													2.81
Lahontan										T.	T.	.14						T.	.12													0.26
Markleeville, Cal.					.41	1.50				.58	1.24	.31					.56	.38								.59						5.57
Woodfords, Cal.							1.50	.70		1.35	1.40	.90	.40				.24									.32						6.81
Walker Basin.																																
Mina																																
Smith												.22							.07													0.29
Thorne						.25		.05			T.	.25	T.					.13	.24							.04						0.96
Yerington															T.																	T.
Bridgeport, Cal.						.29	.12			T.		.07							.28													0.76
Shields Ranch, Cal.						.71	1.18				.28	.80						.21	.40								.18					3.76
Colorado Basin.																																
Indian Springs ‖																																
Las Vegas																																
Logandale						.10	.08				.88	T.							1.55	.02												2.63
Pioche					T.	.18	.09	.01		T.	.01	1.02	.01						.22	.53	.01											2.08
Minor Basins.																																
Beatty																																
Duck Flat						.06	.30	.13		.03	.29	.64	.02						.26	.15												1.88
Francis (near)					.01		.10			.35	.25	.09														.02						0.82
Gerlach					.02	.10	.47			.37	.16	.53	.02						.15						.04		.05					1.91
Goldfield							.01	.02			.24	.01							.01													0.29
Jungo						.21	.54	.26		.31	.34	.16						*	.26													2.08
Lida												.02						.02								.01						0.05
McDermitt																																
McGill					.01		.30			.20		.48						T.	.15							.25	.10					1.49
Millett							.36	T.			.05	.24	.37														.02					1.04
Oasis Ranch							.25	T.		T.		.12						.04														0.41
Pahrump						T.	T.			T.		T.							.50													0.50
Quinn River Ranch					.30	.35	.20																.39	.45	.14							1.83
Rebel Creek					.10			.33		.06	.32	.18						.03	.12							.14	T.					1.28
Sand Pass					.01		T.	.55		T.	.21	.31						.03	.15	.03					T.	.22	.17					1.68
Searchlight						T.	.36	.08		.45	.26	.19	.05					T.	.06						T.	.02	.05					1.52
Sulphur						.18	.10	.23		.12	1.57								.13	1.32	.06											3.71
Tonopah***																			.10							T.						0.10
Vya ‖						.07	.09	.01		.06		.14						.01	.17							T.	.02					0.57
				.24			.16	.32		.16	.08							.40							.05	.20	.15					1.76

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

‡ Measured on 22d, dates of fall not given.

Daily evaporation (inches) and wind movement (miles) for March, 1918.

(See temperature and precipitation data in climatological tables, pages 20 to 22.)

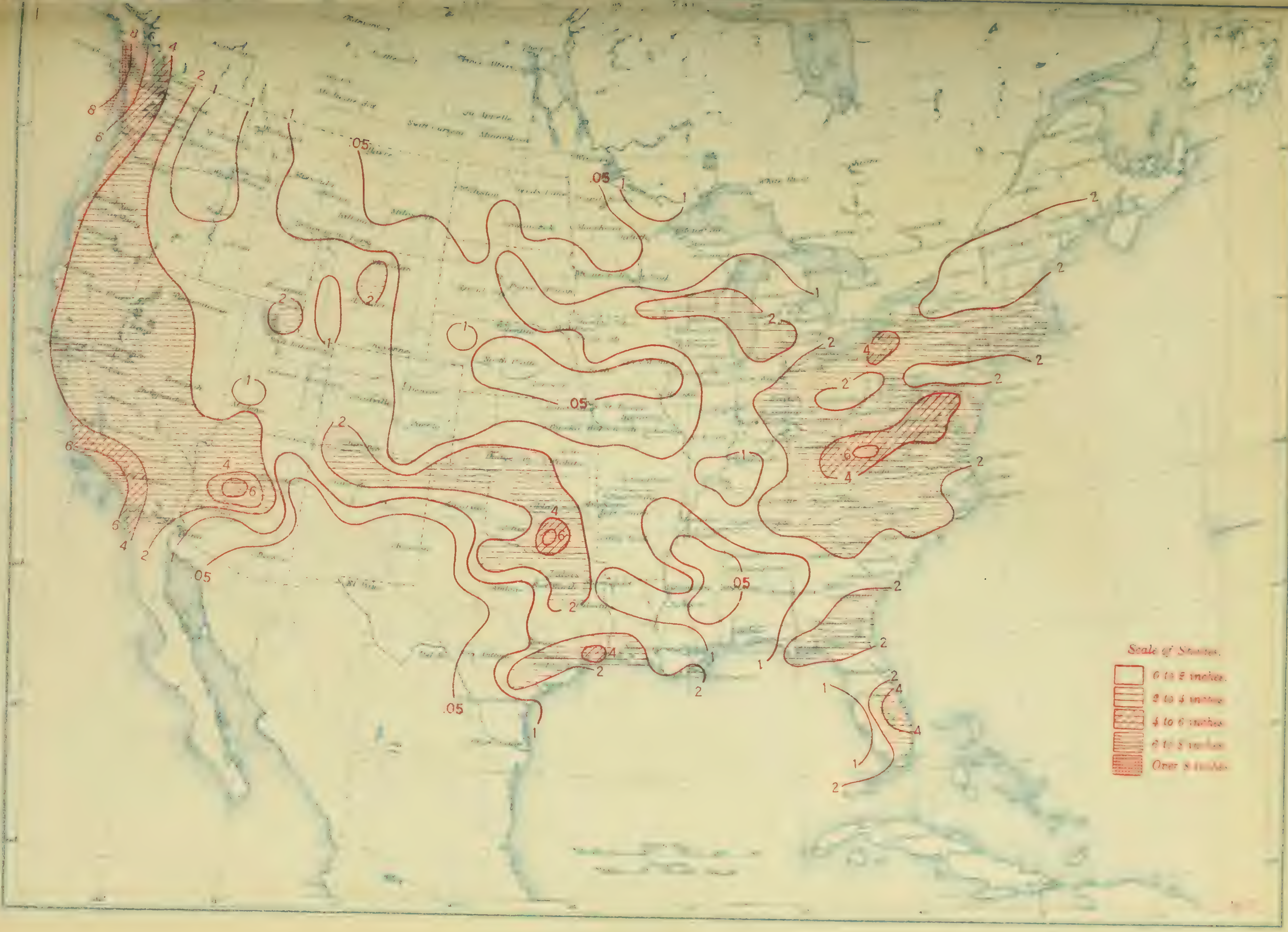
Stations.	Data.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Monthly.
Indian Springs*	Evaporation																																
	Wind movement																																
Lamoille*	Evaporation																																
	Wind movement																																
Marlette Lake,*	Evaporation																																
	Wind movement																																
Tahoe, Cal.**	Evaporation				.175		.090			.025	.055				.115	.080	.085	.050				.050	.110	.040	.045	.095				.080	.050	.075	
	Wind movement	‡	‡	321	314	165	97	‡	150	65	58	‡	‡	222	60	43	71	68	43	‡	105	47	98	46	57	46	59	74	39	49	34	65	2,396

* Observations taken at 7 a. m.; ** at 8 a. m. ‡ Included in next following entry.

Daily temperatures for March, 1918.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean,
Columbia Basin.																																	
Gold Creek (near)	Maximum	33	37	38	38	25	28	38	40	30	40	32	36	29	27	34	41	46	45	44	40	36	42	36	44	46	37	36	36	47	49	44	37.9
	Minimum	1	6	15	6	2	0	20	20	20	30	20	28	18	7	6	13	30	28	28	30	25	20	18	19	32	30	23	15	20	25	25	18.7
Owyhee	Maximum	51	50	52	46	36	43	48	35	44	44	51	50	46	40	48	55	60	52	51	61	60	59	62	64	64	50	45	50	61	67	62	51.8
	Minimum	11	17	34	20	16	9	20	25	29	33	32	31	26	19	29	35	38	36	37	36	28	36	32	46	40	32	30	24	28	32	28	28.7
San Jacinto	Maximum	45	48	55	50	32	41	50	42	46	49	55	52	37	46	52	53	61	53	49	55	60	60	63	63	57	54	44	53	62	69	61	52.2
	Minimum	14	18	20	25	18	12	22	29	27	21	35	36	33	40	40	49	29	36	31	35	20	20	19	23	22	20	12	20	16	16	35	25.6
Humboldt Basin.																																	
Austin	Maximum	56	59	55	51	43	40	47	45	47	45	51	49	48	47	54	57	55	48	44	51	59	59	63	62	62	54	46	50	61	61	59	52.5
	Minimum	21	28	30	36	24	19	27	15	16	24	30	28	18	21	24	27	31	34	32	31	28	30	28	36	36	35	25	22	29	33	34	27.5
Battle Mountain	Maximum	50	53	63	56	54	50	56	50	53	55	60	59	58	58	61	65	62	67	62	65	61	67	68	68	66	70	71	70	72	74	75	61.9
	Minimum	20	24	36	37	32	19	25	21	20	26	40	20	19	18	20	20	22	23	22	23	22	20	19	20	18	16	14	12	14	12	10	21.4
Elko	Maximum	50	55	72	68	43	45	53	55	59	59	59	55	41	49	56	62	62	55	48	55	63	63	66	68	67	63	51	57	64	71	70	58.2
	Minimum	18	12	25	25	23	25	25	26	26	30	31	36	23	18	20	23	35	35	36	37	23	23	25	30	33	35	33	21	23	24	26	26.6
Eureka	Maximum	56	58	56	55	45	44	44	40	46	45	53	48	38	44	55	57	55	46	45	48	60	62	64	64	65	58	47	53	63	68	64	53.1
	Minimum	15	25	26	31	20	21	35	25	20	30	35	30	18	17	20	31	34	31	30	31	35	29	30	32	33	35	27	22	25	27	31	27.5
Imlay	Maximum	56	58	60	48	39	45	54	39	51	49	57	45	43	51	58	61	60	55	53	60	61	62	65	67	65	54	50	57	65	71	64	55.6
	Minimum	25	26	26	23	20	22	30	25	25	27	34	30	25	21	27	27	29	40	36	30	26	30	27	28	31	30	29	25	30	25	32	27.8
Lamoille	Maximum	46	50	56	50	35	44	48	50	51	50	49	54	36	44	50	55	60	46	43	52	57	56	64	61	63	46	41	50	59	66	52	51.1
	Minimum	12	18	26	31	19	17	23	22	18	22	33	12	12	5	23	2	17	22	21	32	32	33	32	36	34	36	30	21	26	27	33	23.5
Lovelock	Maximum	53	56	61	61	43	37	47	48	51	57	55	52	45	53	59	59	59	54	52	59	61	67	69	65	66	62	54	62	68	74	73	57.5
	Minimum	15	17	23	37	25	25	30	26	17	32	23	33	24	28	23	22	28	42	38	29	21	24	40	29	35	40	33	24	31	29	35	28.4
Metropolis	Maximum	42	50	52	45	45	40	46	41	45	41	47	35	31	40	49	54	56	52	40	51	55	56	59	60	63	60	45	53	59	66	61	49.7
	Minimum	10	12	18	30	35	19	22	25	16	28	31	28	22	15	22	25	28	22	32	33	26	28	25	30	33	30	30	22	28	23	25	24.9
Paradise Valley	Maximum	56	54	50	57	48	51	58	62	52	50	54	57	46	61	60	58	64	60	61	60	65	67	64	70	68	60	65	60	62	67	70	59.3
	Minimum	17	18	12	19	13	15	20	16	33	21	24	27	18	19	20	18	21	35	30	34	24	27	25	28	27	25	28	21	20	24	26	22.7
Potts	Maximum	56	58	58	60	58	56	57	50	52	51	56	56	55	57	56	50	54	50	60	60	59	58	56	58	59	59	60	60	61	60	58	56.7
	Minimum	20	30	31	30	28	28	26	20	22	24	24	28	29	25	23	19	20	20	30	31	33	30	28	28	30	24	30	32	34	34	31	27.2
Tecoma	Maximum	43	46	50	53	62	48	47	44	47	48	53	54	50	50	53	54	50	56	55	58	61	65	67	68	73	68	60	58	63	72	75	56.5
	Minimum	8	12	18	21	22	21	23	21	20	27	12	28	18	20	24	23	20	22	21	30	25	28	31	33	25	30	35	20	22	28	37	23.4
Winnemucca	Maximum	55	59	60	49	38	43	53	38	50	48	56	40	44	50	59	62	62	54	52	59	62	62	64	66	65	53	53	58	66	73	63	55.4
	Minimum	24	25	27	24	22	23	31	26	27	28	35	32	26	24	28	28	30	42	37	31	27	32	28	29	35	33	30	26	31	27	34	29.1
Truckee Basin.																																	
Marlette Lake	Maximum	....	47	37	32	22	30	32	22	35	36	32	26	29	33	49	47	42	36	33	41	40	37	45	43	38	32	32	38	42	54	51	37.1
	Minimum	11	....	10	24	14	12	12	11	−5	0	24	23	13	14	−3	0	13	27	23	13	−1	5	5	9	26	29	18	18	25	20	14	13.5
Reno	Maximum	52	56	57	48	33	32	37	38	46	43	46	40	42	47	54	52	58	54	45	58	62	59	63	60	59	52	52	61	66	73	67	52.0
	Minimum	19	24	38	30	24	24	26	19	14	23	32	26	20	15	20	26	35	39	33	32	29	38	30	38	42	36	32	27	30	32	36	28.7
Tahoe, Cal	Maximum	48	53	48	35	32	30	34	33	42	40	35	32	37	41	32	46	45	40	43	46	49	49	45	52	49	39	44	50	55	50	53	42.8
	Minimum	13	17	19	35	19	19	23	12	9	13	30	28	12	7	9	10	28	32	19	22	18	27	21	27	30	32	19	17	22	24	24	20.5
Carson Basin.																																	
Fallon §§	Maximum	56	63	68	59	42	36	45	45	56	59	61	46	48	54	61	68	68	57	48	60	66	66	65	69	69	59	53	61	66	73	69	58.6
	Minimum	16	19	30	37	27	26	28	24	19	27	35	37	21	17	20	22	38	45	39	35	28	28	28	35	39	43	35	24	26	31	35	29.5
Gardnerville	Maximum	40	41	53	58	57	56	52	51	52	48	51	48	49	49	50	49	55	56	54	55	60	61	60	63	64	63	62	61	63	68	69	55.4
	Minimum	5	8	22	37	25	22	25	8	3	10	30	31	11	8	15	17	29	40	32	29	28	34	27	34	38	42	32	25	26	28	30	24.2
Lahontan	Maximum	57	62	64	57	41	35	40	45	54	53	57	45	48	53	60	69	67	57	52	61	63	64	65	67	69	63	52	61	65	....	74	57.3
	Minimum	23	27	38	40	29	24	28	25	24	27	35	33	24	23	28	31	36	42	34	34	35	35	33	41	40	41	34	30	34	....	38	32.2
Walker Basin.																																	
Mina	Maximum	47	45	38	50	49	59	55	60	45	53	51	64	66	57	63	65	66	64	55	61	64	68	68	69	67	65	72	62	62	66	68	59.5
	Minimum	21	24	18	13	16	23	31	23	22	33	17	30	25	17	18	25	32	46	36	27	22	22	27	29	31	32	31	24	25	27	29	25.7
Yerington	Maximum	61	60	67	57	46	37	38	48	56	52	51	49	50	56	64	66	65	57	50	61	68	67	69	69	72	62	56	64	66	75	73	59.3
	Minimum	16	18	28	45	22	25	25	26	18	23	33	30	23	16	21	19	33	44	31	30	29	29	25	33	36	40	29	23	30	34	34	28.0
Bridgeport, Cal	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Colorado Basin.																																	
Indian Springs	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Las Vegas	Maximum	71	75	72	73	76	65	61	64	67	70	72	75	68	70	72	74	77	79	60	58	79	77	80	80	82	75	74	78	82	85	88	73.5
	Minimum	27	32	34	36	38	50	38	36	30	32	38	36	41	40	38	38	36	45	43	39	39	41	45	46	48	48	52	50	50	50	52	40.9
Logandale	Maximum	71	72	75	74	76	68	62	60	67	68	73	71	66	68	71	76	71	74	66	54	65	73	80	80	81	76	75	75	80	85	86	72.2
	Minimum	38	35	35	44	42	48	51	49	33	35	52	53	38	40	45	47	37	42	43	46	38	41	44	43	47	45	48	40	53	55	43	43.5
Pioche	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Minor Basins.																																	
Beatty	Maximum	66	69	69	69	66	61	56	56	56	55	61	60	53	63	69	67	69	68	53	64	69	69	71	74	73	72	68	72	76	80	83	66.4
	Minimum	26	27	28	33	33	43	43	32	26	24	40	42	30	31	33	32	32	42	38	38	34	34	35	38	39	41	37	33	44	41	40	35.1
Gerlach	Maximum	53	56	60	55	47	41	45	40	49	48	48	46	43	48	58	59	61	58	53	58	63	61	63	63	60	58	53	59	64	73	75	55.4
	Minimum	14	15	35	32	21	21	30	25	20	21	26	31	25	23	24	28	30	39	35	30	25	34	31	31	34	35	32	25	34	35	38	28.4
Goldfield	Maximum	57	61	58	61	54	45	45	43	46	44	54	48	44	50	58	59	57	51	37	55	62	64	64	64	64	62	54	60	65	69	69	55.6
	Minimum	20	28	29	38	31	27	39	19	22	30	34	34	15	22	26	28	37	40	32	31	27	30	31	37	36	44	33	25	29	32	35	30.4
McDermitt	Maximum	54	56	58	56	36	41	51	46	45	44	50	47	40	48	56	60	57	51	53	56	61	67	63	63	57	49	48	58	66	70	63	58.9
	Minimum	21	27	31	27	20	19	25	24	21	28	28	31	30	21	27	30	36	38	36	32	44	46	30	31	27	37	32	29	30	34	37	29.6
McGill	Maximum	53	58	54	51	47	35	50	46	45	50	50	49	41	44	52	55	56	51	45	52	59	62	64	63	63	61	52	55	65	68	67	53.6
	Minimum	16	25	34	37	29	22	29	23	20	24	39	31	19	15	19	24	33	37	33	30	26	32	30	34	37	34	31	24	27	27	32	28.2
Millett	Maximum	60	65	62	60	54	45	53	46	50	50	56	52	45	60	52	57	53	47	57	62	65	67	66	67	63	53	58	65	69	68	68	57.9
	Minimum	10	14	29	37	34	25	35	25	6	26	36	33	24	10	12	38	40	31	23	19	17	16	21	31	37	32	15	20	20	22	25	24.6
Oasis Ranch	Maximum	55	57	58	60	57	52	45	47	49	45	55	50	45	50	59	60	62	55	42	55	64	65	65	68	67	71	60	64	69	72	73	57.9
	Minimum	20	25	33	33	34	31	39	27	25	29	35	37	23	20	21	27	37	40	34	32	28	27	28	37	35	37	35	28	30	28	29	30.5
Rebel Creek	Maximum	56	58	60	54	38	48	55	49	45	45	52	43	44	51	58	60	60	53	54	57	62	60	63	69	59	52	49	60	66	73	62	55.3
	Minimum	23	27	36	26	18	18	26	24	28	28	31	30	25	23	27	28	32	38	35	30	28	42	31	32	42	39	31	28	30	32	38	29.9
Sand Pass	Maximum	54	55	58	50	39	40	41	41	50	46	45	41	41	50	56	54	63	60	60	60	55	59	62	65	58	52	53	61	67	73	67	54.1
	Minimum	17	24	38	34	20	28	31	29	22	28	27	32	19	22	27	27	33	40	35	30	30	37	33	34	43	43	30	26	39	33	37	30.6
Searchlight	Maximum	60	69	67	65	63	56	51	51	60	60	60	61	57	58	61	66	66	65	59	43	61	67	72	73	73	68	66	65	69	75	81	63.5
	Minimum	44	45	41	47	48	45	44	35	33	38	47	46	35	38	43	47	45	48	43	37	36	42	46	49	50	51	49	46	50	56	59	44.6
Sulphur	Maximum	54	43	61	60	60	45	51	51	52	51	53	50	43	52	58	60	58	63	56	....	....	....	63	65	66	62	59	61	64	73	72	57.4
	Minimum	18	18	25	20	23	21	24	27	21	18	25	28	26	22	24	28	25	32	34	....	....	....	29	32	35	34	33	25	28	29	30	26.2
Tonopah	Maximum	52	56	55	54	49	40	45	36	42	41	49	45	38	46	51	54	51	46	36	50	55	58	58	59	59	56	43	56	62	65	62	50.6
	Minimum	30	35	34	36	29	26	36	22	24	28	36	24	19	27	33	36	35	31	30	29	35	37	36	40	40	40	30	29	37	41	42	32.5

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches.
2 to 4 inches.
4 to 6 inches.
6 to 8 inches.
Over 8 inches.

Snowfall in the elevated regions of Nevada Section, March, 1918.

The March snowfall was exceedingly heavy over the eastern slope of the Sierra Nevada Mountains, and moderately heavy in the Ruby and Independence Mountains. In the Lake Tahoe basin the monthly amounts of precipitation ranged from 5.04 inches at the southerly end of the lake to 8.63 inches at Tahoe City, which is 3.57 to 6.19 inches above the normal for March. In the Carson and Walker River basins the monthly amount of precipitation ranged from 3.76 inches to 6.81 inches. The depth of snow on the ground on the last day of the month was generally slightly less than normal, but the amount of water in the snow cover over the watersheds of the Truckee, Carson, and Walker Rivers averaged practically normal. The amount of water in the snow cover in the vicinity of Summit, Cal., averaged 33.3 inches on April 9th, which is 12 inches more than it contained at the close of February, and, according to figures available, it is about 76 per cent of the normal amount of water in the snow at the end of the season when the snow cover contains the maximum amount of water. There was about the same amount of water in the snow at Summit on March 25th, and, as two moderate storms occurred between that date and April 9th, it would indicate that slight losses had occurred by melting.

In the Truckee Basin, the amount of water in the snow cover at the end of the month was about normal. Snow tube measurements at Tahoe City gave about the normal amount of water in the snow, and from records at other places it is believed the water content of the snow will not run less than 90 per cent of the normal in any section of the watershed. Measurements at Marlette Lake gave 110 per cent of the normal amount of water in the snow. The monthly amount of snowfall at regular stations ranged from 54 to 86.5 inches.

The snowfall in the Carson Basin was heavy. Snow measurements made at Blue Lakes, elevation about 8,000 feet, gave the water content of the snow as nearly normal, although the depth on the ground was less than the average. The precipitation for the month was 6.81 inches at Woodfords and 5.57 at Markleeville.

Heavy snows fell in the upper watershed of the Walker River, the excesses above normal being about the same as in the Carson Basin. In the lower portion of the watershed, the monthly precipitation amounted to nearly 4 inches.

In the Humboldt Basin, the precipitation was generally above normal. The snowfall was unusually heavy at high elevations in the Ruby Mountains, and moderately heavy in all mountain districts of the watershed. At the close of the month the depths on the ground were generally slightly less than normal for that season of the year.

The reading of the gage at Lake Tahoe was 6,227.83 feet on the last day of the month, which is .25 of a foot higher than the reading for February 28th, and .46 of a foot lower than the gage reading on the same date of 1917.

On the basis of the "accumulative snowfall" method, the estimated maximum level of the lake this summer with the gates closed would be 6,229.25 feet. The estimate made by Professor J. E. Church, jr., of the University of Nevada, based on the water content of the snow cover, is 6,229.46 feet. In case the precipitation from April 1st until the time when the maximum stage of the lake is reached should be abnormal, these estimates will be affected accordingly.

The conditions indicate that there will be about the normal flow of water in the Truckee, Carson, and Walker Rivers during the coming season, and slightly less than the normal flow in the Humboldt River.

SNOWFALL.

(Inches.)

Stations.	Counties.	Altitude.	Total snowfall.	Amount on ground on 15th of month.	Amount on ground on last day of month.	Depth on last day of month compared with normal.
Truckee Basin.						
Bijou, Cal	Eldorado	6,230	54.0	43	20	+3
McKinney, Cal	Placer	6,225	86.5	60	39	−5
Marlette Lake	Washoe	7,900	70.5	83	64	−7
Tahoe, Cal	Placer	6,230	80.0	57	31	−7
Truckee, Cal	Nevada	5,818	65.0	20	8	+4
Carson Basin.						
Markleeville, Cal	Alpine	5,525	36.0	1	0	−2
Woodfords, Cal	do	5,634	46.0	18	0	0
Walker Basin.						
Bridgeport, Cal	Mono	6,500	.....	......	......	......
Shield's Ranch, Cal	do	5,300	27.0	17	0	0
Smith	Lyon	4,800	3.0	0	0	0
Humboldt Basin.						
Arthur	Elko	6,500	4.7	7	0	−2
Beowawe	Lander	4,695	2.0	......	......	......
Eureka	Eureka	6,837	3.2	0	0	−2
Hylton	Elko	7,081	5.0	0	0	−8
Lamoille	do	6,100	......	......	......	......
Metropolis	do	5,661	T.	......	......	......
Millett	Nye	5,040	0	0	0	−2
North Fork	Elko	6,500	5.0	3	0	−1
Winnemucca	Humboldt	4,344	3.7	......	0	0

T. indicates a trace.

Note.—The total snowfall at Tahoe in the February Snowfall Bulletin should have been 88.0 instead of 87.0.

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

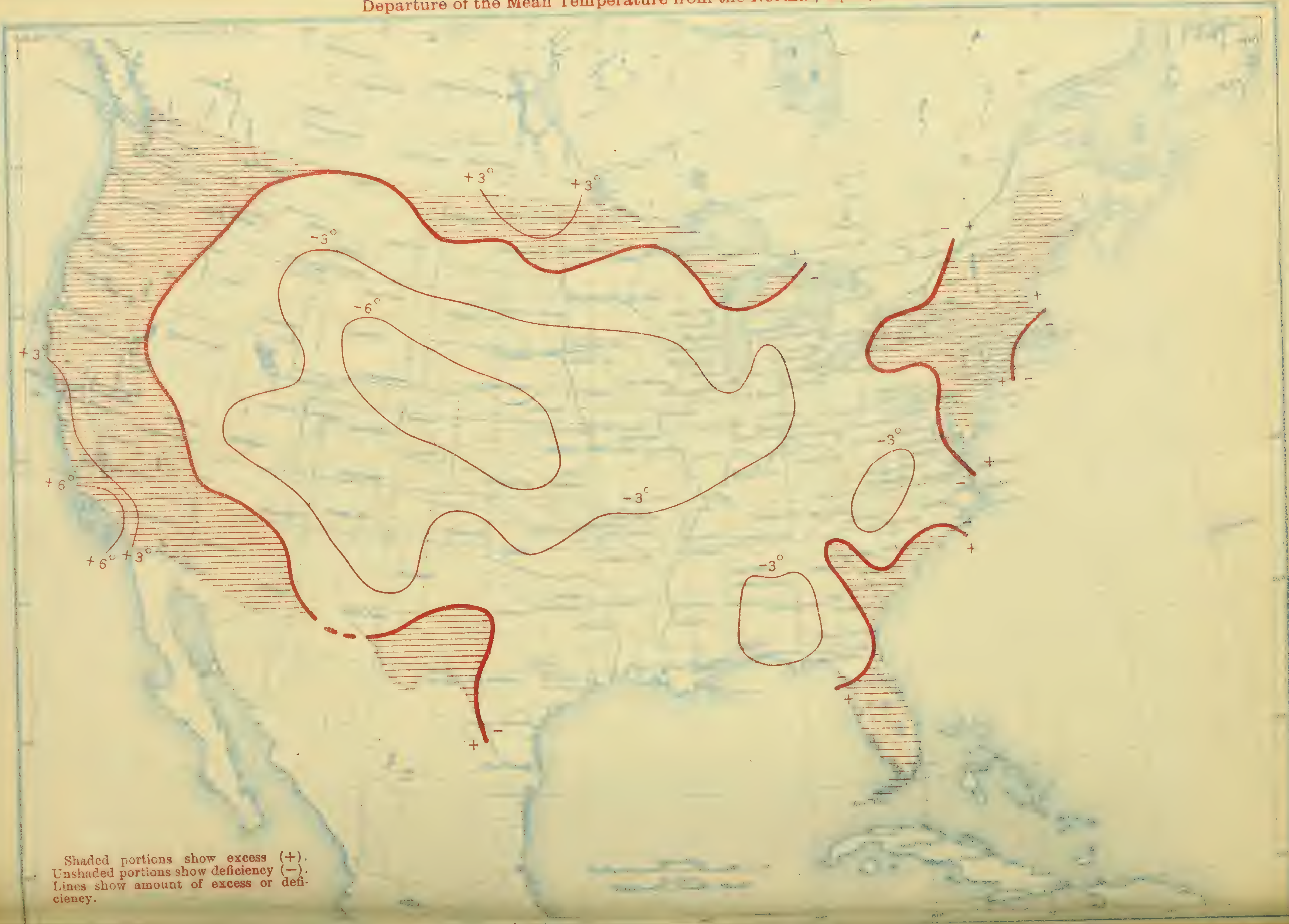
NEVADA SECTION

APRIL, 1918

BY
HENRY F. ALPS
METEOROLOGIST

RENO, NEV.
WEATHER BUREAU OFFICE
MAY 23, 1918.

Departure of the Mean Temperature from the Normal, April, 1918.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALPS, Meteorologist.

Vol. XXXIII. Reno, Nevada, April, 1918. No. 4.

GENERAL SUMMARY.

The temperature and precipitation average in Nevada for April was below normal, the deficiency in the latter being considerable. In the greater part of the State, the normal April precipitation supplies plenty of moisture for winter and spring grains, but in many sections the amount of moisture received during the past month was too light to materially benefit growing crops and spring seeded wheat, barley, and oats. However, crops did not suffer, as the heavy precipitation of March put the soil in excellent condition for tillage and plant germination, and the dry conditions were only becoming noticeable in the soil at the close of the month. Over the southern one-third of the State the precipitation was very light, many stations recording none or no measurable amounts. The amount of moisture was very light in the extreme west and extreme northwest portions, and generally light in the Humboldt Valley. The eastern portion of Churchill, the southeastern portion of Humboldt, the southwestern and northern portions of Elko, and the greater part of Lander, Eureka, and White Pine Counties received considerable moisture, the amount at several stations being more than one inch. Practically all of the precipitation fell during the first two weeks of the month.

Cold periods occurred generally from the 2d to the 5th, the 12th to the 19th, and on the 26th and 27th, and the lowest temperature for the month at nearly all stations occurred during the first period. Warm periods occurred from the 20th to the 25th, and from the 28th to the 30th.

The moisture was sufficient for grasses, and feed on ranges was more plentiful than usual. Cattle and sheep were reported in good condition. Lambing progressed with satisfactory increases, and shearing had started in some localities. The moving of stock to summer ranges continued.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 37 stations, was 46.4°. The mean for the 24 stations having ten or more years' record was 1.6° below normal. The highest recorded was 92°, at Logandale on the 30th; the lowest was −8°, at Marlette Lake on the 3d. The greatest daily range was 69°, at Battle Mountain on the 5th. The highest monthly mean was 63.0°, at Logandale; the lowest was 30.6°, at Marlette Lake.

PRECIPITATION.

The average for 46 stations reporting was 0.38 inch. For the 28 stations having ten or more years' record, the mean was 0.36 inch below the normal. The average amount at 3 stations in the Columbia Basin was 0.87 inch; at 18 stations in the Humboldt Basin, 0.53 inch; at 5 stations in the Truckee Basin, 0.55 inch; at 4 stations in the Carson Basin, 0.34 inch; at 4 stations in the Walker Basin, 0.26 inch; at 1 station in the Colorado Basin, 0.00 inch; at 16 stations in the minor basins, 0.16 inches. The greatest monthly fall was 1.45 inches, at Eureka There was none at 4 stations. The average number of days with precipitation was 2.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations	Barometric pressure (sea level).			Mean relative humidity		Wind			
						Average hourly velocity	Max. velocity.		
	Mean.	Highest.	Lowest.	5 a.m.	5 p.m.		Miles per hour	Direction.	Date.
Reno	29.97	30.46	29.47	62	24	7.5	[illegible]	w.	1
Winnemucca	29.98	30.47	29.51	67	23	6.9	30	nw.	1
Tonopah	29.88	30.29	29.43	60	17	11.1	41	nw.	1

SUNSHINE AND CLOUDINESS.

At Reno, 85 per cent of the possible sunshine was recorded; at Winnemucca, 84 per cent; at Tonopah, 89 per cent. For the State, the average number of clear days was 18; partly cloudy, 7; cloudy, 5.

MISCELLANEOUS PHENOMENA.

(Dates of.)

Brisk winds.—1, 4, 14, 17, 18, 19, 22, 24, 25, 26.
Solar halos.—5, 6, 30.
Thunderstorms.—7, 11, 29, 30.
Fogs.—10.
Sleet.—10, 13.
Killing frosts.—1, 2, 3, 4, 24, 25.
Hail.—10, 13.
Earthquakes.—26.

COMPARATIVE DATA FOR APRIL.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy	Cloudy.	
1889	53.5	100	16	0.45	.....	2	16	9	5	sw.
1890	49.0	96	8	0.72	1.4	3	16	9	5	s.
1891	48.3	88	5	1.51	5.8	5	11	11	8	s.
1892	44.9	84	6	0.62	2.1	4	8	13	9	w.
1893	41.8	78	0	1.14	7.0	6	10	8	12	sw.
1894	47.6	90	10	0.59	3.2	4	11	10	9	sw.
1895	48.2	95	1	0.42	1.4	2	15	8	7	w.
1896	41.7	89	−9	1.00	5.6	5	7	10	13	sw.
1897	47.3	91	9	0.37	1.5	3	17	6	7	w.
1898	51.1	103	12	0.71	0.8	2	17	7	6	w.
1899	47.9	87	12	0.37	2.7	2	15	8	7	w.
1900	43.8	82	10	1.98	12.1	7	6	7	17	w.
1901	45.3	98	−2	0.59	1.9	3	15	6	9	sw.
1902	45.8	84	14	0.75	2.4	3	11	9	10	sw.
1903	45.2	101	1	0.47	2.3	2	17	6	7	sw.
1904	45.4	97	10	0.66	3.7	3	15	7	8	sw.
1905	47.0	85	10	0.84	2.9	4	14	7	9	sw.
1906	47.6	90	9	1.30	4.0	5	13	7	10	w.
1907	50.1	94	12	0.58	0.2	3	14	9	7	w.
1908	50.1	91	4	0.33	0.3	2	18	7	5	w.
1909	47.8	93	10	0.18	4.0	1	18	7	5	w.
1910	51.8	95	8	0.24	0.1	2	18	8	4	sw.
1911	45.1	92	5	0.55	1.1	3	16	8	6	w.
1912	43.4	84	7	1.27	4.3	6	10	10	10	w.
1913	47.2	93	5	0.64	1.1	3	14	8	8	w.
1914	49.2	102	5	1.23	4.4	6	9	10	11	w.
1915	50.4	92	15	1.64	4.7	7	11	9	10	w.
1916	50.4	99	12	0.31	1.1	2	18	8	4	w.
1917	43.9	95	6	0.74	4.5	4	13	8	9	sw.
1918	46.4	92	−8	0.38	1.0	2	18	7	5	w.
Entire period	47.2	103	9	0.75	3.0	4	14	8	8	w.

CORRECTIONS.

February, 1918.—Page 12, Tecoma, total snowfall should be 13.0 inches.

Climatological data for April, 1918.

Stations.	Counties.	Elevation, feet.	Temperature, in degrees Fahr.								Precipitation, in inches.					Number of days.					
			Length of record, years.	Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.	Prevailing direction of the wind.	Observers.
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	5	....	....	....	....	....	....	....	5	....	....	....	....	....	....	....	....	....	U. S. Forest Service.
Mahoney Ran. Sta.**	do	6,200	3	....	....	....	....	....	....	....	3	1.30	....	1.07	1.0	3	15	5	10	....	Do.
Owyhee	do	5,400	7	42.3^{h}	....	72^{h}	8	14^{h}	2	43^{h}	7	1.02	....	0.33	0.5	4	13^{h}	5^{h}	4^{h}	n.	E. A. Schwab.
San Jacinto	do	5,200	13	40.1	−4.2	72	30	3	3	51	13	0.30	−0.29	0.20	T.	2	16	8	6	nw.	Utah Construction Co.
Humboldt Basin.																					
Arthur	Elko	6,500	....	....	....	....	....	....	....	....	8	T.	−1.74	T.	0	0	19	9	2	....	Isaac Woodhouse.
Austin	Lander	6,594	29	43.2^{a}	−0.6	69^{a}	†21	8^{a}	4	38^{a}	29	1.32	−0.15	0.43	8.4	5	16^{a}	9^{a}	4^{a}	....	Forest Service.
Battle Mountain	do	4,513	47	38.4	−11.2	80	30	6	†4	69	49	0.30	−0.51	0.10	0	3	20	1	9	n.	Southern Pacific Co.
Beowawe	Eureka	4,695	47	46.8	−2.1	77	30	10	4	48	49	0.21	−0.32	0.15	0.7	3	13	16	1	w.	Do.
Clover Valley**	Elko	6,000	17	42.5^{l}	−2.2	74^{k}	22	12^{o}	2	33^{l}	25	0.28	−0.74	0.25	0	2	23	3	4	w.	J. D. Weeks.
Elko	do	5,063	47	44.4	−0.3	77	30	12	†3	51	48	0.55	−0.20	0.50	0	2	18	5	7	sw.	Western Pacific Co.
Eureka	Eureka	6,837	20	43.8	−1.4	72	22	10	4	43	22	1.45	+0.28	0.60	7.2	5	16	7	7	w.	Clay Simms.
Golconda	Humboldt	4,392	39	46.1	−1.9	78	†23	14	2	45	41	0.40	−0.20	0.36	0.5	3	9	19	2	w.	Southern Pacific Co.
Hylton**	Elko	7,081	....	....	....	....	....	....	....	....	8	0.72	....	0.33	3.0	3	24	4	2	nw.	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	5	49.5	+0.4	78	†24	15	5	48	5	0.56	+0.19	0.56	0	1	20	4	6	n.	Southern Pacific Co.
Lamoille	Elko	6,100	3	40.1	....	72	30	8	3	42	3	1.08	−1.05	0.49	....	3	20	5	5	se.	Elko-Lamoille Power Co.
Lovelock	Humboldt	3,977	24	47.8	−3.4	81	21	11	4	50	22	0.54	+0.34	0.42	0	2	17	7	6	w.	John R. Montgomery.
Metropolis §	Elko	5,661	5	39.8	....	70	†21	10	4	46	9	0.30	−0.29	0.20	T.	2	14	11	5	w.	L. F. Hatch.
North Fork	do	6,500	....	....	....	....	....	....	....	....	9	0.47	....	0.46	0	2	8	15	7	w.	Roy C. Pratt.
Paradise Valley	Humboldt	4,500	5	44.8^{d}	....	84^{g}	23	10	4	65^{g}	9	0.26	....	0.20	0.7	2	11	10	9	nw.	F. C. Buckingham.
Potts	Nye	6,002	25	43.7	+0.2	76	30	4	11	54	27	0.48	−0.23	0.24	6.0	2	15	10	5	w.	Miss Irene Potts.
Tecoma	Elko	4,812	40	45.8	−1.0	76	24	10	18	45	42	0.08	−0.51	0.08	0	1	14	14	2	w.	Southern Pacific Co.
Winnemucca	Humboldt	4,344	41	45.5	−1.6	78	30	16	4	47	49	0.52	−0.36	0.45	0.3	3	13	12	5	ne.	U. S. Weather Bureau.
Truckee Basin.																					
Franktown	Washoe	5,054	2	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	Agent V. & T. Ry.
Marlette Lake**	do	7,900	3	30.6^{a}	....	58^{a}	30	−8^{a}	3	45^{a}	5	0.74	....	0.22	6.5	6	22	4	3	nw.	V. & G. H. Water Co.
Reno	do	4,532	31	47.7	+0.4	77	21	19	4	41	31	0.16	−0.45	0.11	1.7	3	22	6	2	w.	U. S. Weather Bureau.
Bijou, Cal.		6,230	3	33.2	....	65	22	1	5	48	9	0.27	....	0.07	2.8	5	16	11	3	n.	Chas. Young.
McKinney, Cal.**		6,225	....	....	....	....	....	....	....	....	9	0.86	....	0.46	1.5	5	20	8	2	w.	Henry Soll.
Tahoe, Cal.		6,230	10	37.6	....	65	30	9	4	39	10	0.70	....	0.18	4.0	6	20	5	5	sw.	Mrs. Emma C. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	24	48.6	−4.1	80	21	15	4	52	24	0.84	+0.49	0.71	2.5	3	17	10	3	n.	U.S. Experiment Station.
Gardnerville	Douglas	4,830	27	47.0	−1.6	74	†21	18	4	46	28	0.02	−0.59	0.01	T.	2	24	5	1	w.	Forest Service.
Lahontan**	Churchill	4,200	6	51.1^{i}	....	78^{i}	21	21^{i}	4	43^{i}	8	0.40	....	0.30	0	2	15^{i}	4^{i}	2^{i}	nw.	U.S. Reclamat'n Service.
Markleeville, Cal.		5,525	....	....	....	....	....	....	....	....	9	0.09	....	0.08	0	2	24	3	3	s.	Mrs. Mary Thornburg.
Woodfords, Cal.**		5,634	....	....	....	....	....	....	....	....	9	....	....	....	....	....	....	....	....	....	Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	11	47.1^{a}	−4.3	83	25	10^{a}	†4	65^{a}	22	0.05	−0.27	0.05	0	1	10	0	20	nw.	Southern Pacific Co.
Smith	Lyon	4,800	....	....	....	....	....	....	....	....	10	0.13	....	0.10	1.5	2	17	9	4	w.	C. M. Carter.
Thorne §	Mineral	4,200	5	....	....	....	....	....	....	....	5	....	....	....	....	....	....	....	....	....	Southern Pacific Co.
Yerington §	Lyon	4,375	9	48.8	−0.6	82	21	15	5	53	9	0.60	+0.38	0.39	T.	3	20	5	5	n.	W. H. Churchyard.
Shields Ranch, Cal.**		5,300	....	....	....	....	....	....	....	....	9	0.28	....	0.28	0	1	28	2	0	s.	Bruce H. Chichester.
Colorado Basin.																					
Indian Springs §**	Clark	3,136	5	....	....	....	....	....	....	....	5	....	....	....	....	....	....	....	....	....	Ira MacFarland.
Las Vegas	do	2,033	16	....	....	....	....	....	....	....	16	....	....	....	....	....	....	....	....	....	C. P. Squires.
Logandale §	do	1,355	11	63.0	−0.9	92	30	31	5	49	19	0.00	−0.16	0.00	0	0	28	2	0	....	Bert Mills.
Pioche	Lincoln	6,100	20	....	....	....	....	....	....	....	20	....	....	....	....	....	....	....	....	....	John Robinson.
Minor Basins.																					
Beatty	Nye	3,309	2	56.2	....	86	22	25	4	48	2	0.40	....	0.40	0	1	24	6	0	n.	E. E. Palmer.
Duck Flat**	Washoe	4,725	....	....	....	....	....	....	....	....	4	0.08	....	0.08	0	1	23	5	2	nw.	C. T. Smith.
Francis (near)	do	5,350	....	....	....	....	....	....	....	....	4	0.10	....	0.04	1.0	4	23	4	3	sw.	Geo. W. Barnard.
Gerlach	do	3,931	6	48.6	....	82	21	19	†4	49	6	0.08	....	0.08	1.0	1	21	0	9	sw.	Western Pacific Co.
Goldfield	Esmeralda	5,700	11	48.0	−2.1	74	†21	14	4	44	13	0.00	−0.72	0.00	0	0	25	2	3	n.	R. W. Robinson.
Jungo	Humboldt	4,165	....	....	....	....	....	....	....	....	5	0.02	....	0.02	0	1	17	6	7	....	Western Pacific Co.
Lida	Esmeralda	6,037	6	....	....	....	....	....	....	....	6	....	....	....	....	....	....	....	....	....	F. H. Aubrey.
McDermitt	Humboldt	4,700	7	45.3	−0.1	74	†21	16	3	41	31	0.10	−1.42	0.10	0	1	27	3	0	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	8	45.3	+2.3	72	†22	8	3	40	8	0.96	−0.18	0.41	2.5	3	17	9	4	s.	R. E. Middagh.
Millett	Nye	5,040	10	43.6	−2.5	74	30	0	4	55	11	0.00	−0.58	0.00	0	0	16	10	4	w.	Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	6	50.4	+1.4	80	24	16	4	49	6	0.00	−0.47	0.00	0	0	22	5	3	n.	Arthur L. Stewart.
Pahrump	Nye	2,608	5	....	....	....	....	....	....	....	5	....	....	....	....	....	....	....	....	....	F. M. Buol.
Quinn Riv. Ranch**	Humboldt	4,850	16	....	....	....	....	....	....	....	17	0.05	−0.31	0.05	0	1	....	....	....	....	F. M. Payne.
Rebel Creek	do	4,300	6	46.4	....	80	30	16	3	44	7	0.46	....	0.28	0	4	8	20	2	n.	Fred Whitaker.
Sand Pass**	Washoe	4,198	5	49.6	....	80	21	20	3	46	5	0.06	....	0.05	T.	2	20	8	2	nw.	R. R. Mott.
Searchlight	Clark	3,445	5	60.8	....	81	22	36	4	29	5	T.	....	T.	0	0	24	1	5	n.	C. L. Aug. Mahn.
Sulphur	Humboldt	4,044	5	46.7^{c}	....	79^{c}	30	17^{c}	4	50^{c}	5	....	....	....	0	....	14^{c}	11^{c}	2^{c}	ne.	Western Pacific Co.
Tonopah	Nye	6,090	13	46.1	....	69	22	16	3	29	13	T.	....	T.	T.	0	20	10	0	nw.	U. S. Weather Bureau.
Vya	Washoe	5,500	....	....	....	....	....	....	....	....	5	0.25	....	0.20	0	2	26	2	2	sw.	L. A. Mariette.
For the state			....	46.4	−1.6	92	30	−8	3	69	....	0.38	−0.36	1.07	1.0	2	18	7	5	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Mahoney Ranger Station, Jarbridge; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of McKinney, Hellman's, Lake Tahoe, Cal.; of Lahontan, Hazen; of Woodfords, Cal., Sheridan, Nev.; of Shields Ranch, Coleville, Cal.; of Duck Flat, Sunkist; of Oasis Ranch, Oasis, Cal.; of Quinn River Ranch, Amos; of Sand Pass, Sheepshead.

Reference letters, ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing, for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for April, 1918.

Stations.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Columbia Basin.																																
Gold Creek (near)																																
Mahoney Ranger Station ‡		.05								1.07			.18			T										T						1.30
Owyhee		.07	T				T		.33	.32			.30																			1.02
San Jacinto										.20			.10		T											T						0.30
Humboldt Basin.																																
Arthur		T											T																			T
Austin		.18	.24				.10			.43			.37																			1.32
Battle Mountain						.10			.10				.10																			0.30
Beowawe		.04								.15			.02																			0.21
Clover Valley		.03											.25																			0.28
Elko										.50			.05																			0.55
Eureka		.10					.25			.45	.05		.60																			1.45
Golconda		.04							*	.36			T																			0.40
Hylton		T.					.12		.27				.33																			0.72
Imlay									.56																							0.56
Lamoille ‖		T.	.27									.32		.49																		1.05
Lovelock		T.		T.			.12		T.	.42																						0.54
Metropolis ‖										.10			.20																			0.30
North Fork										.46						.01																0.47
Paradise Valley									.20					.06																		0.26
Potts		.24								.24																						0.48
Tecoma													.08																			0.08
Winnemucca***		.05		T.			.02		.45				T.																			0.52
Truckee Basin.																																
Franktown																																
Marlette Lake ‖			.17	.04			.10			.22			.18	.03																		0.74
Reno ***		.11							.02				.03																			0.16
Bijou, Cal		.05					.05		.07	.04			.06																			0.27
McKinney, Cal.		.04	.02				.12		.46				.22															T				0.86
Tahoe, Cal. ‖			.04				.18		.17	.12			.16																	.03		0.70
Carson Basin.																																
Fallon ‖		.08					.05			.71																						0.84
Gardnerville		.01							.01																							0.02
Lahontan		.10								.30	T.																					0.40
Markleeville, Cal.			T.				.01		.08																							0.09
Woodfords, Cal.																																
Walker Basin.																																
Mina																																
Smith		.10	T.						.05																							0.15
Thorne									.03																							0.13
Yerington		.10							.11	.39																						0.60
Shields Ranch, Cal.		.28	T																													0.28
Colorado Basin.																																
Indian Springs ‖																																
Las Vegas																																
Logandale																																
Pioche																																0.00
Minor Basins.																																
Beatty																																
Duck Flat													.40																			0.40
Francis (near)													.08																			0.08
Gerlach		.02							.04	.02			.02																			0.10
Goldfield													.08																			0.08
Jungo																																0.01
Lida										.02																						0.02
McDermitt																																
McGill									.10				T.																			0.10
Millett		.25					.30			T.			.41																			0.96
Oasis Ranch																																0.00
Pahrump																																0.00
Quinn River Ranch																																
Rebel Creek							T.		.05																							0.05
Sand Pass							.07		.28	.10			.01																			0.46
Searchlight							.05		.01				T.																			0.06
Sulphur													T.																			T
Tonopah***	T.	T.										T.	T.																			T
Vya ‡								.20				.05																				0.25

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight. T Trace, or less than 0.01 inch.
‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.
‡ Measured on 22d, dates of fall not given.

Daily evaporation (inches) and wind movement (miles) for March, 1918.

(See temperature and precipitation data in climatological tables, pages 28 to 30.)

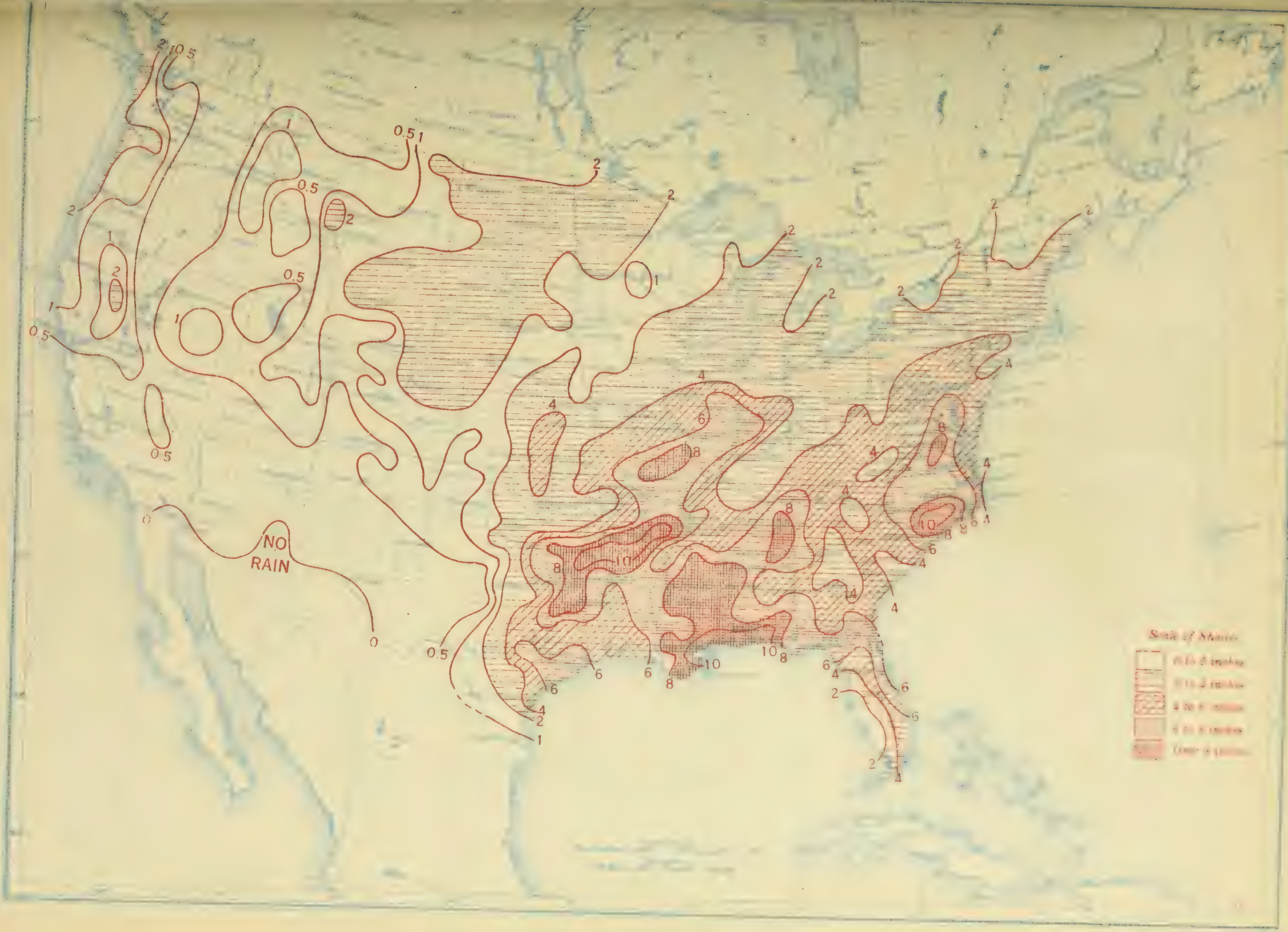
Stations.	Data.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Monthly.
Indian Springs*	Evaporation																																
	Wind movement																																
Lamoille*	Evaporation																																
	Wind movement																																
Marlette Lake, *	Evaporation																																
	Wind movement																																
Tahoe, Cal.**	Evaporation	.045	.095	.055	.015	.055	.070	.060	.035	.065	.035	.075	.085	.055	.110	.080	.130	.125	.095	.090	.200	.065	.075	.215	.095	.110	.115	.145	.120	.130	.050		2.695
	Wind movement	61	95	95	120	28	21	74	59	72	54	55	127	118	118	70	79	92	82	101	58	47	57	76	73	112	77	68	77	49	54		2,269

* Observations taken at 7 a. m.; ** at 8 a. m. ‡ Included in next following entry.

Daily temperatures for April, 1918.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek (near)	Maximum..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Minimum..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Owyhee	Maximum..	59	30	36	40	56	60	58	72	53	60	60	66	50	52	46	52	53	51	51	62	71	71	...	...	...	...	...	...	...	...	...	57.4
	Minimum..	21	14	15	16	21	28	36	38	37	45	47	32	28	20	20	22	28	19	22	30	28	30	...	...	...	...	...	...	...	...	...	27.2
San Jacinto	Maximum..	54	38	36	40	54	58	58	69	64	55	61	66	58	49	47	48	47	51	57	61	69	70	65	68	64	48	58	64	68	72	...	57.2
	Minimum..	33	21	3	6	21	21	38	43	31	33	21	22	30	21	12	20	31	13	13	16	18	31	40	18	29	29	13	20	20	24	...	23.0
Humboldt Basin.																																	
Austin	Maximum..	57	53	35	34	49	...	55	67	66	56	60	59	57	48	45	52	54	53	57	62	69	68	68	68	65	59	59	65	69	69	...	57.9
	Minimum..	26	20	14	8	17	..	30	35	42	32	32	33	26	18	25	22	28	20	24	30	35	39	40	34	39	21	24	30	36	44	...	28.4
Battle Mountain	Maximum..	70	71	70	72	75	76	78	78	65	67	68	67	59	57	55	60	63	60	65	70	71	72	68	69	72	66	69	74	77	80	...	54.7
	Minimum..	10	12	8	6	6	14	21	22	40	35	39	31	23	22	24	21	20	27	25	22	20	20	22	20	22	19	20	28	32	35	...	22.2
Elko	Maximum..	60	38	39	42	54	60	69	74	75	64	63	67	65	45	45	54	57	55	63	70	73	73	73	71	70	67	63	70	72	77	...	62.3
	Minimum..	24	30	12	12	15	25	28	24	49	38	29	30	33	23	26	21	25	19	20	27	27	31	40	27	41	27	12	24	23	29	...	26.4
Eureka	Maximum..	58	55	55	47	55	61	55	69	66	60	63	65	58	47	47	52	58	51	58	62	70	72	68	71	69	58	60	66	70	71	...	60.6
	Minimum..	27	18	12	10	14	25	31	34	44	32	29	32	30	18	25	19	25	17	25	25	33	37	38	31	38	20	20	27	31	41	...	26.9
Imlay	Maximum..	61	59	61	62	60	65	61	76	71	68	67	65	63	65	64	65	64	65	68	70	71	75	76	78	70	71	75	76	78	75	...	68.2
	Minimum..	30	28	30	30	15	20	38	28	45	33	32	31	30	32	29	28	25	28	30	33	34	35	34	35	34	30	31	32	33	31	...	30.8
Lamoille	Maximum..	57	33	32	30	47	55	50	70	62	51	60	62	42	42	44	49	67	50	59	56	67	62	58	66	65	43	56	64	67	72	...	54.6
	Minimum..	23	19	8	10	10	22	33	19	30	33	33	35	32	21	21	23	26	19	21	25	25	37	41	26	36	25	23	26	33	33	...	25.6
Lovelock	Maximum..	65	65	38	48	58	64	62	77	78	62	68	68	64	50	56	62	65	64	69	72	81	77	77	75	71	68	67	73	76	89	...	66.7
	Minimum..	24	26	18	11	13	22	36	28	49	35	33	31	29	18	21	22	29	35	25	32	31	38	47	32	37	36	22	23	26	39	...	28.9
Metropolis	Maximum..	55	54	32	33	40	47	55	67	67	60	60	65	58	49	41	49	51	52	60	60	70	68	60	65	58	48	45	58	68	70	...	55.5
	Minimum..	23	20	13	10	13	22	27	25	40	36	27	31	32	21	22	20	28	17	22	24	25	29	36	32	25	21	13	20	22	25	...	24.0
Paradise Valley	Maximum..	..	...	47	49	59	67	66	68	79	70	65	69	68	61	60	69	71	68	72	74	78	80	84	77	...	...	...	...	70	...	...	68.7
	Minimum..	24	21	13	10	14	20	37	30	21	25	28	27	24	21	17	21	18	22	24	20	25	15	19	21	18	26	20	26	15	18	...	21.3
Potts	Maximum..	64	60	63	60	59	59	60	58	61	60	58	58	57	59	61	60	65	63	60	59	66	64	60	66	66	70	70	71	74	76	...	62.9
	Minimum..	20	20	22	20	16	18	20	16	18	12	4	10	16	20	24	26	30	31	30	28	32	32	30	33	32	32	32	34	36	40	...	24.5
Tecoma	Maximum..	68	60	52	50	52	60	64	66	70	67	65	70	68	71	64	60	54	51	53	62	70	74	75	76	70	68	71	70	72	71	...	64.8
	Minimum..	23	18	14	12	13	18	22	27	32	34	28	31	30	33	28	27	22	10	19	24	31	38	42	41	38	34	28	31	27	33	...	26.9
Winnemucca	Maximum..	62	36	39	43	57	64	59	75	56	61	66	64	49	54	50	59	62	58	67	69	77	75	68	72	68	56	65	73	75	78	...	61.9
	Minimum..	24	25	16	16	18	25	37	31	42	39	33	32	29	21	25	22	32	27	27	36	31	36	39	32	37	27	22	26	32	34	...	29.1
Truckee Basin.																																	
Marlette Lake	Maximum..	..	45	24	35	40	42	42	54	37	45	45	38	28	38	41	45	43	35	54	50	54	49	50	45	42	42	48	54	54	58	...	44.0
	Minimum..	11	...	8	6	5	3	15	15	17	20	21	18	15	5	7	14	18	24	22	30	22	27	30	21	20	21	21	16	18	25	...	17.1
Reno	Maximum..	65	40	36	50	61	61	61	69	59	64	67	59	45	57	57	61	65	56	69	72	77	73	73	68	64	58	66	72	74	76	...	62.5
	Minimum..	32	23	21	19	24	31	37	31	43	33	37	35	27	22	32	29	31	37	28	33	38	45	40	39	41	31	28	34	39	46	...	32.9
Tahoe, Cal.	Maximum..	55	33	33	43	49	49	50	61	41	52	55	50	38	47	49	51	57	48	54	62	63	61	60	56	53	50	54	61	58	65	...	51.9
	Minimum..	22	19	10	9	15	22	23	22	35	29	28	25	14	15	23	24	25	30	24	25	26	29	24	26	29	25	23	24	28	29	...	23.4
Carson Basin.																																	
Fallon §	Maximum..	69	36	39	48	60	65	66	79	63	61	66	65	48	60	55	62	65	59	67	71	80	79	72	77	71	59	65	72	77	77	...	64.4
	Minimum..	32	26	22	15	19	26	37	27	51	38	35	37	33	25	34	31	34	37	25	30	36	48	42	33	44	30	24	28	33	48	...	32.7
Gardnerville	Maximum..	68	65	63	60	60	63	62	70	66	65	65	64	63	58	59	60	66	65	65	72	74	72	71	70	68	64	64	69	72	74	...	65.9
	Minimum..	27	22	19	18	21	25	34	25	49	30	33	31	25	20	26	24	26	28	21	26	33	40	28	31	43	24	23	28	31	35	...	28.2
Lahontan	Maximum.	68	57	39	48	60	66	...	73	70	61	66	65	62	...	...	...	68	...	...	78	..	76	73	75	...	...	64	72	74	76	...	66.2
	Minimum..	41	24	23	21	25	34	...	36	42	39	38	42	28	...	...	...	33	...	...	40	..	49	44	32	...	...	32	37	42	54	...	36.0
Walker Basin.																																	
Mina	Maximum..	69	70	42	52	63	66	72	76	82	75	71	72	69	71	65	62	70	69	70	76	77	80	82	77	83	74	68	72	77	77	...	71.0
	Minimum..	28	27	17	10	14	12	14	17	41	36	30	37	20	12	10	18	10	35	12	18	28	20	17	34	32	...	22	31	28	42	...	23.2
Thorne	Maximum..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Minimum..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Yerington	Maximum..	74	59	40	51	63	65	70	77	71	62	69	68	58	64	59	64	68	66	68	73	82	81	76	79	73	69	68	69	80	79	...	68.2
	Minimum..	32	24	19	17	15	25	37	24	40	32	32	33	30	22	28	23	26	32	22	26	36	41	32	36	48	31	23	28	28	41	...	29.4
Colorado Basin.																																	
Indian Springs	Maximum..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Minimum..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Las Vegas	Maximum..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Minimum..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Logandale	Maximum..	85	89	64	65	69	78	83	86	82	84	84	84	86	75	75	78	78	82	76	76	84	89	89	89	88	86	85	85	91	92	...	81.9
	Minimum..	44	56	41	32	31	40	50	45	48	46	53	49	50	44	35	37	40	40	46	52	35	42	46	49	47	47	43	41	45	51	...	44.2
Pioche	Maximum..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Minimum..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Mina Basins.																																	
Beatty	Maximum..	82	72	60	59	65	69	74	76	85	80	76	78	70	69	70	71	76	73	75	72	83	86	85	85	81	75	72	79	81	83	...	75.4
	Minimum..	37	39	27	25	26	32	33	35	39	49	39	39	31	36	34	39	40	42	34	38	35	41	41	41	44	40	35	35	40	40	...	36.9
Gerlach	Maximum..	66	63	44	48	60	64	63	76	72	62	68	68	61	55	55	62	67	65	66	71	82	80	78	74	76	78	68	75	78	79	...	67.5
	Minimum..	33	27	23	19	19	26	36	28	35	29	36	36	29	25	25	24	26	32	31	30	34	35	38	32	35	31	26	26	32	36	...	29.8
Goldfield	Maximum..	68	59	41	46	54	59	64	71	72	62	68	70	61	58	58	60	64	56	66	66	74	74	74	74	71	67	62	68	72	73	...	64.4
	Minimum..	30	28	16	14	16	16	35	37	46	40	31	35	31	25	29	28	27	32	22	36	34	43	49	37	44	34	24	32	36	39	...	31.5
McDermitt	Maximum..	55	46	37	42	53	60	58	72	64	58	63	63	55	50	55	56	57	55	66	69	74	73	69	70	67	54	64	70	74	74	...	60.8
	Minimum..	26	20	16	17	19	28	37	32	44	35	34	33	27	21	24	23	26	21	29	37	55	36	28	35	30	20	27	31	38	44	...	29.8
McGill	Maximum.	63	60	30	34	54	60	58	68	67	62	65	65	62	49	46	52	55	53	58	61	70	72	72	70	62	63	62	68	71	70	...	60.1
	Minimum..	33	25	8	15	18	30	32	32	41	41	31	36	32	28	38	27	27	24	24	26	30	43	44	37	45	31	24	28	32	34	...	30.5
Millett	Maximum..	64	55	34	41	56	61	60	73	65	57	64	67	59	56	55	61	61	53	64	65	73	73	71	73	68	55	63	69	71	74	...	62.0
	Minimum..	21	25	11	0	6	17	38	18	38	35	24	27	31	23	27	21	21	29	16	28	22	47	45	25	44	32	12	23	22	29	...	25.2
Oasis Ranch	Maximum..	72	63	44	50	62	65	70	76	78	67	70	74	67	68	73	64	70	68	68	71	78	79	79	80	77	72	68	72	78	77	...	70.0
	Minimum..	32	29	23	16	20	34	32	36	44	40	34	32	24	22	27	28	29	38	23	35	33	36	33	38	47	30	27	25	29	30	...	30.8
Rebel Creek	Maximum.	59	51	40	44	55	63	59	74	70	60	65	64	57	51	49	58	62	60	68	71	77	75	72	71	70	57	65	72	76	80	...	63.2
	Minimum..	28	22	16	17	18	28	36	30	44	36	32	33	27	22	25	27	30	26	28	32	35	39	36	32	34	20	26	34	38	40	...	29.7
Sand Pass	Maximum..	65	57	39	50	61	62	61	75	61	65	69	61	63	62	57	62	67	63	68	74	80	75	73	72	69	62	66	73	78	70	...	65.3
	Minimum..	33	28	20	22	21	31	36	29	48	35	37	37	27	26	28	29	33	35	34	34	40	46	44	34	39	38	29	30	40	50	...	33.8
Searchlight	Maximum..	76	75	66	61	60	70	72	77	78	78	78	73	64	68	70	69	74	67	67	65	77	81	80	80	77	77	69	76	78	80	...	72.8
	Minimum..	52	48	38	36	38	44	50	55	54	55	52	52	42	40	42	49	46	46	46	47	49	53	57	51	51	50	51	53	58	55	...	48.7
Sulphur	Maximum..	73	62	38	45	58	64	62	...	...	...	75	67	61	54	57	60	64	67	68	72	78	78	77	73	73	63	65	72	76	79	...	65.9
	Minimum..	29	27	21	17	18	20	26	...	...	...	35	35	31	26	25	24	30	25	24	27	30	32	35	34	39	27	24	25	26	29	...	27.4
Tonopah	Maximum..	63	44	32	37	52	54	58	65	61	54	62	62	47	52	50	53	59	50	61	62	69	69	65	68	62	52	57	64	68	68	...	57.4
	Minimum..	38	20	16	16	24	35	35	42	39	34	38	41	26	23	28	29	35	33	35	38	45	48	44	45	44	31	32	38	48	48	...	34.9

§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


NO RAIN
Scale of Shades.
0.5 to 2 inches
2 to 4 inches
4 to 6 inches
6 to 8 inches
Over 8 inches

Snowfall in the elevated regions of Nevada Section, April, 1918.

The precipitation for April was light in all watersheds of Nevada streams. In the Lake Tahoe Basin the precipitation was only about 35 per cent of the normal amount for April. The percentage was even less in the Carson and Walker Basins. The average precipitation for April in the upper Truckee Basin is slightly more than two inches, while the greatest amount recorded during the month this year was .86 inch. Last year the average for the same month was about 2.25 inches. In the Humboldt Basin there was practically no snowfall during April, except that moderate amounts fell in the headwaters of southern tributaries to the Humboldt.

The average amount of water in the snow cover in the vicinity of Summit, Cal., as shown by snow tube measurements made on April 30th, was about 21.0 inches. This is about 12.0 inches less than the amount of water in the snow at Summit on April 9th, and shows that the warm weather caused considerable melting during the last two decades of the month. It is about 40 per cent of the water content of the snow cover on April 30, 1917.

The amount of water in the snow cover at elevations of 6,500 to 8,000 feet in the Truckee and Carson Basins the early part of April varied from about 78 per cent to 110 per cent of the normal. Although the precipitation for April was light and the melting somewhat greater than usual, the outlook is favorable for a runoff in the Truckee, Carson, and Walker Rivers of about 85 to 90 per cent of the normal flow, assuming that the precipitation for May and June will be about normal. The present indications are that the water flow in the Humboldt River will be about 75 to 80 per cent of the normal.

Stations.	Counties.	Altitude.	SNOWFALL. (Inches.) Total snowfall.	Amount on ground on 15th of month.	Amount on ground on last day of month.	Depth on last day of month compared with normal.
Truckee Basin.						
Bijou, Cal	Eldorado	6,230	2.8	18	0	−2
McKinney, Cal	Placer	6,225	1.5	27	3	−9
Marlette Lake	Washoe	7,900	6.5	56	29	−16
Tahoe, Cal	Placer	6,230	4.0	18	2	−8
Truckee, Cal	Nevada	5,818	......	0	0	0
Carson Basin.						
Markleeville, Cal	Alpine	5,525	0.0	0	0	0
Woodfords, Cal	do	5,634	......	0	0	0
Walker Basin.						
Shield's Ranch, Cal	Mono	5,300	0.0	0	0	0
Smith	Lyon	4,800	1.5	0	0	0
Humboldt Basin.						
Arthur	Elko	6,500	0.0	0	0	0
Austin	Lander	6,594	8.4	0	0	0
Beowawe	do	4,695	0.7	0	0	0
Eureka	Eureka	6,837	7.2	T.	0	0
Hylton	Elko	7,081	3.0	0	0	0
Lamoille	do	6,100	......	0	0	−1
Metropolis	do	5,661	T.	0	0	......
Millett	Nye	5,040	0.0	0	0	0
North Fork	Elko	6,500	0.0	0	0	0
Winnemucca	Humboldt	4,344	0.3	0	0	0

T. indicates a trace.

NNE

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

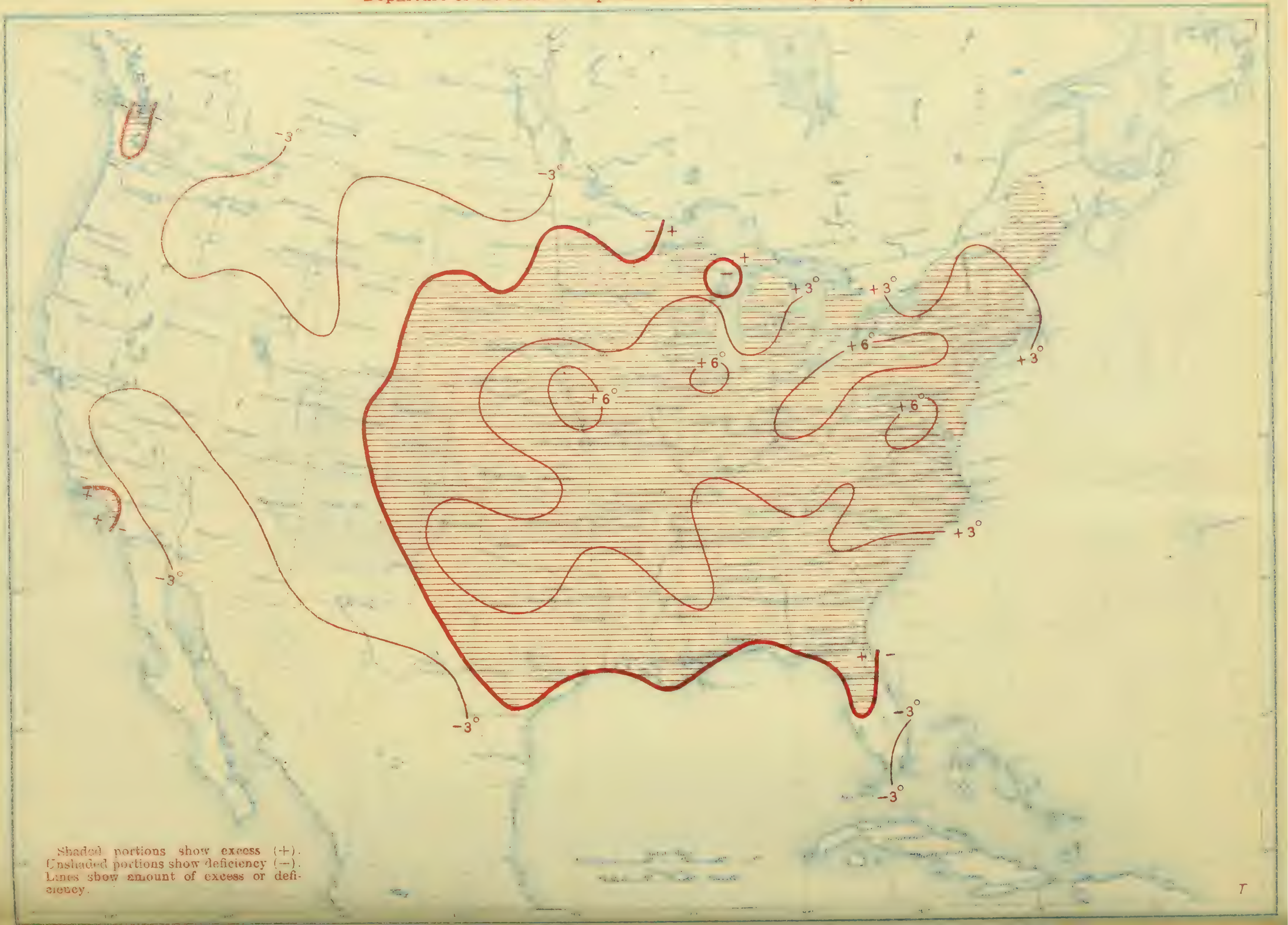
NEVADA SECTION

MAY, 1918

BY
HENRY F. ALPS
METEOROLOGIST

RENO, NEV.
WEATHER BUREAU OFFICE
JUNE 21 1918.

Departure of the Mean Temperature from the Normal, May, 1918.



Shaded portions show excess (+).
Unshaded portions show deficiency (—).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALPS, Meteorologist.

VOL. XXXIII. RENO, NEVADA, MAY, 1918. No. 5.

GENERAL SUMMARY.

May weather was cool and dry. The first week was warmer than normal, but most of the remainder of the month was cool with the daily average temperatures ranging from 1° to 12° below normal. The average for the State was nearly 2° below normal. The precipitation average was about a quarter-inch below normal. The greatest deficiencies were in the Truckee, Carson, Walker, and Colorado Basins, and in scattered areas in other sections of the State, where the moisture was generally insufficient for the needs of grass on ranges and the few dry-land crops which are grown. The precipitation was heaviest in the southern portion of Humboldt, the south portion of Lander, the south portion of Eureka, the central portion of White Pine, and the northern and southern portions of Elko County, where the amounts ranged from one to more than two inches. Most of the moisture fell during two periods, the first extending from the 8th to the 10th, and the last from the 26th to the 30th.

The first week was warm and favorable for plant development, but most of the remainder of the month was cool and unfavorable from an agricultural viewpoint. Alfalfa, wheat, oats, rye, barley, and garden truck made slow advancement. Frosts formed at intervals during the month, except in the extreme south portion, and the destruction of practically the entire apple crop was reported in northern valleys. The frosts were light in the extreme west portion, and no material damage was done to fruit and vegetables.

Feed was plentiful on ranges, except in some of the lower elevations where the grass was drying rapidly. Cattle and sheep continued in good condition. Lambing was practically over, and shearing was well under way by the close of the month.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 39 stations, was 52.9°. The mean for the 26 stations having ten or more years' record was 1.8° below normal. The highest recorded was 97°, at Las Vegas on the 5th; the lowest was 11°, at Paradise Valley on the 22d. The greatest daily range was 66°, at Paradise Valley on the 22d. The highest monthly mean was 67.6°, at Las Vegas; the lowest was 37.1°, at Marlette Lake.

PRECIPITATION.

The average for 51 stations reporting was 0.52 inch. For the 30 stations having ten or more years' record, the mean was 0.23 inch below the normal. The average amount at 2 stations in the Columbia Basin was 1.67 inches; at 17 stations in the Humboldt Basin, 0.71 inch; at 4 stations in the Truckee Basin, 0.21 inch; at 4 stations in the Carson Basin, 0.18 inch; at 4 stations in the Walker Basin, 0.23 inch; at 2 station in the Colorado Basin, a trace; at 18 stations in the minor basins, 0.48 inch. The greatest monthly fall was 2.49 inches, at McGill. The least was a trace at Las Vegas and Logandale. The average number of days with precipitation was 3.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric pressure (sea level)			Mean relative humidity		Wind			
	Mean.	Highest.	Lowest.	5 a. m.	5 p. m.	Average hourly velocity	Max. velocity		
							Miles per hour	Direction.	Date.
Reno	29.87	30.28	29.58	60	32	8.[illegible]	36	w	1
Winnemucca	29.91	30.29	29.61	67	35	6.7	28	sw	13
Tonopah	29.82	30.19	29.57	61	17	9.8	[illegible]	nw	26

SUNSHINE AND CLOUDINESS.

At Reno, 80 per cent of the possible sunshine was recorded; at Winnemucca, 85 per cent; at Tonopah, 83 per cent. For the State, the average number of clear days was 16; partly cloudy, 9; cloudy, 6.

MISCELLANEOUS PHENOMENA.

(Dates of).

Brisk winds.—7, 10, 13, 26, 28.

Solar halos.—14.

Thunderstorms.—5, 7, 22, 26, 28, 29, 30.

Sleet.—5, 8, 30.

Hails—5, 25, 26, 27, 28, 29.

Killing frosts.—5, 6, 9, 11, 19, 21, 22, 27, 28, 29.

COMPARATIVE DATA FOR MAY.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	57.8	106	20	1.44	3.6	5	13	8	10	sw.
1890	59.9	105	23	1.05	0.4	4	18	7	6	s.
1891	54.7	95	21	2.43	2.4	10	10	10	11	sw
1892	53.8	100	13	1.17	6.6	6	12	10	9	w.
1893	52.6	98	18	0.41	0.8	3	16	7	8	sw.
1894	56.3	95	16	0.80	1.0	4	15	8	8	sw.
1895	56.1	105	18	0.55	2.5	4	13	9	9	sw.
1896	48.2	108	5	2.03	4.0	6	10	9	12	w.
1897	60.0	99	12	0.59	0.1	4	15	10	6	s.
1898	51.8	93	20	1.84	1.6	7	11	9	11	w.
1899	49.7	96	10	0.68	1.8	4	10	10	11	sw.
1900	56.6	101	20	0.77	0.5	3	16	5	10	w.
1901	56.2	94	19	0.86	1.2	4	13	8	10	sw.
1902	53.7	102	16	0.37	1.0	3	15	8	8	sw.
1903	54.1	106	15	0.70	2.4	3	16	7	8	sw.
1904	54.0	98	10	0.84	1.1	3	18	6	7	n.
1905	50.4	94	14	1.23	2.1	5	12	8	11	sw.
1906	53.1	98	14	1.38	0.6	5	13	8	10	w.
1907	51.8	99	13	0.56	0.9	3	13	10	8	w.
1908	49.9	99	7	1.01	3.3	5	12	10	9	w.
1909	52.8	100	10	0.18	0.3	2	15	10	6	w.
1910	58.9	114	11	0.21	1.3	1	21	6	4	w.
1911	50.6	97	16	0.45	0.6	2	13	10	8	sw
1912	54.0	101	20	0.46	0.2	3	15	10	6	w.
1913	57.1	100	5	1.28	0.1	4	15	9	7	w.
1914	59.4	111	10	0.53	T.	3	15	11	5	w.
1915	53.2	103	12	1.34	2.0	6	9	12	10	w.
1916	52.2	101	11	0.48	1.9	2	17	8	6	w.
1917	50.3	97	11	2.05	1.2	8	11	9	11	nw.
1918	52.9	97	11	0.52	1.1	3	16	9	6	sw.
Entire period	51.1	114	5	0.94	1.6	4	14	9	8	w.

CORRECTIONS.

April, 1918.—Table for daily evaporation and wind movement, page 29, should be headed April, 1918, instead of March, 1918.

Climatological data for May, 1918.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days.				Prevailing direction of the wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	5								5										U. S. Forest Service.
Mahoney Ran. Sta.**	do	6,200	3								3	2.15		0.67	8.0	5	13	9	9		Do.
Owyhee	do	5,400	7								7										E. A. Schwab.
San Jacinto	do	5,200	13	47.2	-1.6	82	†3	21	†15	54	13	1.19	-0.20	0.54	4.0	3	10	16	5	nw.	Utah Construction Co.
Humboldt Basin.																					
Arthur	Elko	6,500									8	0.72	-0.59	0.37	0	4	17	8	6		Isaac Woodhouse.
Austin	Lander	6,594	29	48.7[a]	-1.9	81[a]	4	20[a]	9	39[a]	29	1.89	+0.35	0.65	19.0	6	16	1	14		Forest Service.
Battle Mountain	do	4,513	47	54.8	-1.8	89	4	18	29	62	49	0.20	-0.60	0.10	0	2	20	0	11	n.	Southern Pacific Co.
Beowawe	Eureka	4,695	47	52.8	-1.7	79	3	26	9	43	49	0.35	-0.28	0.25	0	2	12	18	1	nw.	Do.
Clover Valley**	Elko	6,000	17								25										J. D. Weeks.
Elko	do	5,063	47	51.3	-2.5	87	4	26	21	52	48	0.10	-0.88	0.10	0	1	12	14	5	sw.	Western Pacific Co.
Eureka	Eureka	6,837	20	50.6	-0.5	80	4	21	9	42	22	1.46	-0.02	0.75	4.0	7	9	13	9	n.	Clay Simms.
Golconda	Humboldt	4,392	39	52.4	-4.0	84	3	27	8	42	41	1.03	+0.27	0.50	0	3	7	18	6	w.	Southern Pacific Co.
Hylton**	Elko	7,081									8	0.74		0.63	0	2	27	4	0		Chas. Toyne, sr.
Imlay §	Humboldt	4,209	5	52.3	-2.9	81	3	25	8	48	5	1.13	+0.52	0.35	0	5	7	16	8	w.	Southern Pacific Co.
Lamoille.	Elko	6,100	3	47.2		79	4	14	10	48	3	1.36	-0.48	0.54	T.	5	18	2	11	sw.	Elko-Lamoille Power Co.
Lovelock	Humboldt	3,977	24	53.8	-5.6	84	†3	25	9	52	22	0.32	-0.03	0.19	0	3	14	3	14	n.	John R. Montgomery.
Metropolis §	Elko	5,661	5	47.8		80	3	21	21	50	9	0.32	-0.64	0.20	T.	2	11	17	3	w.	L. F. Hatch.
North Fork	do	6,500									9	0.83		0.60	6.0	4	5	11	15	n.	Roy C. Pratt.
Paradise Valley	Humboldt	4,500	5	48.6		82	6	11	22	66	9	0.37		0.20	0	5	15	8	8	nw.	F. C. Buckingham.
Potts	Nye	6,002	25	55.5	+4.5	86	15	28	†13	52	27	0.25	-0.86	0.20	2.0	2	13	14	4	n.	Miss Irene Potts.
Tecoma	Elko	4,812	40	54.4	+0.4	87	4	26	28	48	42	0.16	-0.50	0.08	0	3	8	18	5	w.	Southern Pacific Co.
Winnemucca	Humboldt	4,344	41	51.6	2.8	84	3	28	22	48	49	0.77	-0.26	0.28	T.	6	18	8	5	sw.	U. S. Weather Bureau.
Truckee Basin.																					
Franktown	Washoe	5,054	2								2										Agent V. & T. Ry.
Marlette Lake*	do	7,900	3	37.1[f]		59[f]	3	17	10	33[b]	5	0.32		0.12	1.0	7	20	7	4	sw.	V. & G. H. Water Co.
Reno	do	4,532	31	52.8	-0.8	80	3	32	9	42	31	0.25	-0.54	0.76	T.	2	18	10	3	w.	U. S. Weather Bureau.
Bijou, Cal.		6,230	3								9										Chas. Young.
McKinney, Cal.**		6,225									9	0.07		0.07	T.	1	15	12	4	w.	Henry Soll.
Tahoe, Cal.		6,230	10	43.0		69	3	22	10	41	10	0.21		0.13	T.	3	19	7	5	w.	Mrs. Emma C. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	24	55.1	-0.6	86	3	32	†15	45	24	0.28	-0.42	0.24	0	2	18	10	3	nw.	U.S. Experiment Station.
Gardnerville	Douglas	4,830	27	51.4	-2.1	78	†3	26	†9	45	28	0.03	-0.64	0.03	T.	1	25	6	0	n.	Forest Service.
Lahontan**	Churchill	4,200	6	56.2[d]		83[d]	3	33[d]	11	36[d]	8	0.10		0.10	0	1	12	17	2	nw.	U.S. Reclamat'n Service.
Markleeville, Cal.		5,525									9	0.30		0.20	1.0	2	20	5	6	n.	Mrs. Mary Thornburg.
Woodfords, Cal.**		5,634									9										Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	11	55.2[e]	-3.6	89	†3	21[e]	†27	57[e]	22	0.20	-0.54	0.06	0	4	13	2	16	nw.	Southern Pacific Co.
Smith	Lyon	4,800									10	0.15		0.15	0	1	16	12	3	sw.	C. M. Carter.
Thorne §	Mineral	4,200	5								5										Southern Pacific Co.
Yerington §	Lyon	4,375	9	54.8	-0.5	89	3	26	9	56	9	0.21	-0.21	0.18	0	2	9	17	5	n.	W. H. Churchyard.
Shields Ranch, Cal.**		5,300									9	0.35		0.15	0	3	25	6	0		Bruce H. Chichester.
Colorado Basin.																					
Indian Springs §**	Clark	3,136	5								5										Ira MacFarland.
Las Vegas	do	2,033	16	67.6	-0.7	97	5	39	10	46	16	T.	-0.06	T.	0	0	22	6	3	s.	C. P. Squires.
Logandale §	do	1,355	11	67.0	-4.4	96	†3	41	2	54	19	T.	-0.10	T.	0	0	22	9	0	s.	Bert Mills.
Pioche	Lincoln	6,100	20								20										John Robinson.
Minor Basins.																					
Beatty	Nye	3,309	2	60.8		93	4	35	†17	48	2	0.33		0.19	0	2	23	4	4	s.	E. E. Palmer.
Duck Flat*	Washoe	4,725									4	1.17		0.58	0	4	24	2	5	w.	C. T. Smith.
Francis (near)	do	5,350									4	0.06		0.02	T.	3	18	7	6	sw.	Geo. W. Barnard.
Gerlach	do	3,931	6	54.8		86	†1	32	†15	50	6	0.10		0.05	0	2	11	3	17	sw.	Western Pacific Co.
Goldfield	Esmeralda	5,700	11	53.2	-2.8	84	3	26	28	42	13	0.64	+0.11	0.39	T.	4	16	8	7	sw.	R. W. Robinson.
Jungo	Humboldt	4,165									5	0.05		0.02	0	3	15	9	7		Western Pacific Co.
Lida	Esmeralda	6,037	6								6										F. H. Aubrey.
McDermitt	Humboldt	4,700	7	50.8	-2.8	81	3	26	9	48	31	0.35	-1.27	0.25	0	2	21	8	2	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	8	50.6	-0.4	82	†3	23	25	42	8	2.49	+1.20	0.63	6.3	9	15	5	11	n.	R. E. Middagh.
Millett	Nye	5,040	10	49.6	-2.1	83	3	20	9	52	11	0.17	-0.31	0.11	0	2	12	10	9	w.	Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	6	55.5	+0.3	90	4	29	28	49	6	0.05	-0.58	0.03	0	2	13	8	10	n.	Arthur L. Stewart.
Pahrump	Nye	2,608	5	53.4		72	31	33	4	32	5	0.37		0.37	0	1	23	6	2	s.	F. M. Buol.
Quinn Riv. Ranch**	Humboldt	4,850	16	49.0[j]	-4.6						17	0.50	+0.03	0.27	0	3				w.	F. M. Payne.
Rebel Creek	do	4,300	6	52.8		83	3	26	21	41	7	0.81		0.46	0	7	10	12	9	sw.	Fred Whitaker.
Sand Pass**	Washoe	4,198	5	55.6		82	†1	34	9	42	5	0.15		0.08	0	4	19	7	5	w.	R. R. Mott.
Searchlight	Clark	3,445	5	64.2		88	3	41	†9	31	5	0.07		0.05	0	2	24	5	2	sw.	C. L. Aug. Mahn.
Sulphur	Humboldt	4,044	5	53.8		84	3	30	22	50	5	0.50		0.20	T.	3	14	13	4	sw.	Western Pacific Co.
Tonopah	Nye	6,090	13	51.5	-0.4	77	3	26	10	31	13	0.34	+0.04	0.25	2.5	6	18	11	2	nw.	U. S. Weather Bureau.
Vya	Washoe	5,500									5	0.50		0.30	0.2	3	25	2	4	nw.	L. A. Mariette.
For the State				52.9	-1.8	97	5	11	22	66		0.52	-0.23	0.75	1.1	3	16	9	6	sw.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Mahoney Ranger Station, Jarbridge; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of McKinney, Hellman's, Lake Tahoe, Cal.; of Lahontan, Hazen; of Woodfords, Cal., Sheridan, Nev.; of Shields Ranch, Coleville, Cal.; of Duck Flat, Sunkist; of Oasis Ranch, Oasis, Cal.; of Quinn River Ranch, Amos; of Sand Pass, Sheepshead.

Reference letters, [a], [b], [c], appearing in the table indicate number of days missing, for example, [b] represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for May, 1918.

Day of month

Stations.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia Basin.																																
Gold Creek (near)																																
Mahoney Ranger Station ‖								.50	T																	.17	.65	[illegible]	T	.08		[illegible]
Owyhee																																
San Jacinto								.45							T	T						.20					.51					1.16
Humboldt Basin.																																
Arthur								.37	T																	.10	[illegible]			[illegible]		[illegible]
Austin								.20	.19	.35																	[illegible]	[illegible]	[illegible]			[illegible]
Battle Mountain																											.10	.10				0.20
Beowawe								.10																				.25				[illegible]
Clover Valley																																
Elko								.10																								[illegible]
Eureka						T	T	.75		.20															.05	.06	.10		.15	.35		[illegible]
Golconda								.25	T																	.28	T	.50				1.03
Hylton								.63																			.11			T		0.74
Imlay								.30	T																	.23	.10	.35	.15	T	T	1.13
Lamoille ‖								.46	.54													.04	.04				.28					1.36
Lovelock								.10	.03	.19																						0.32
Metropolis ‖								.20														T				T	T	T	T	.12		0.32
North Fork									.09	.06																	.60			.08		0.83
Paradise Valley								.20	.02						.02		T										.10	.03				0.37
Potts								.20																				.05				0.25
Tecoma																.04											.04	.08				0.16
Winnemucca***								.20	.04						T	T	T	T								.19	.21	.10	T	.03		0.77
Truckee Basin.																																
Franktown																																
Marlette Lake ‖								.12	.04		.03																.06	.04	.01		[illegible]	0.32
Reno***								T	T	T											T			.09	T	T	T	T		.16		0.25
Bijou, Cal																																
McKinney, Cal								.07							T						T					T	T	T				0.07
Tahoe, Cal ‖								.02	.13	T																T	.06	T				0.21
Carson Basin.																																
Fallon ‖										.04																	.24	T				0.28
Gardnerville																											.03					0.03
Lahontan																									T		.10	T			T	0.10
Markleeville, Cal																										.10	.20					0.30
Woodfords, Cal																																
Walker Basin.																																
Mina								.05	.06																	.04		.05				0.20
Smith									T	T																	.15	T				0.15
Thorne																																
Yerington																											.18			.03		0.21
Shields Ranch, Cal							T																				.17	.13	.05			0.35
Colorado Basin.																																
Indian Springs ‖																																
Las Vegas								T																			T	T				T
Logandale																													T			T
Pioche																																
Minor Basins.																																
Beatty								T		.14																			.19			0.33
Duck Flat								.18	.03	.38																.58						1.17
Francis (near)								.02	T															T	T	.02	T			.02		0.06
Gerlach									.05																	.05						0.10
Goldfield							T	.07	.05	.39										T				T	T				.13			0.64
Jungo							.02	.01																		.02						0.05
Lida																																
McDermitt								.25							.10	T									T							0.35
McGill						T		.20		.63							.03					T			.36	.21	.23	.30	.12	.41		2.19
Millett								.11																		T		.06				0.17
Oasis Ranch										T									T						T			.03	.02			0.05
Pahrump																T												.37				0.37
Quinn River Ranch								.17	.06																	.27						0.50
Rebel Creek								.46	.02						.10		.02										.06	.13		.02		0.81
Sand Pass								T	.08	.01														.03		.03						0.15
Searchlight																	T											.02		.05		0.07
Sulphur								.20	T						T											.15		.15		T		0.50
Tonopah***								.03	T	.25										.01					.01		T	T	.02	.02		0.34
Vya ‖									.05							.30										.15						0.50

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight. T, Trace, or less than 0.01 inch. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

Daily evaporation (inches) and wind movement (miles) for May, 1918.

(See temperature and precipitation data in climatological tables, pages 36 to 38.)

Day of month.

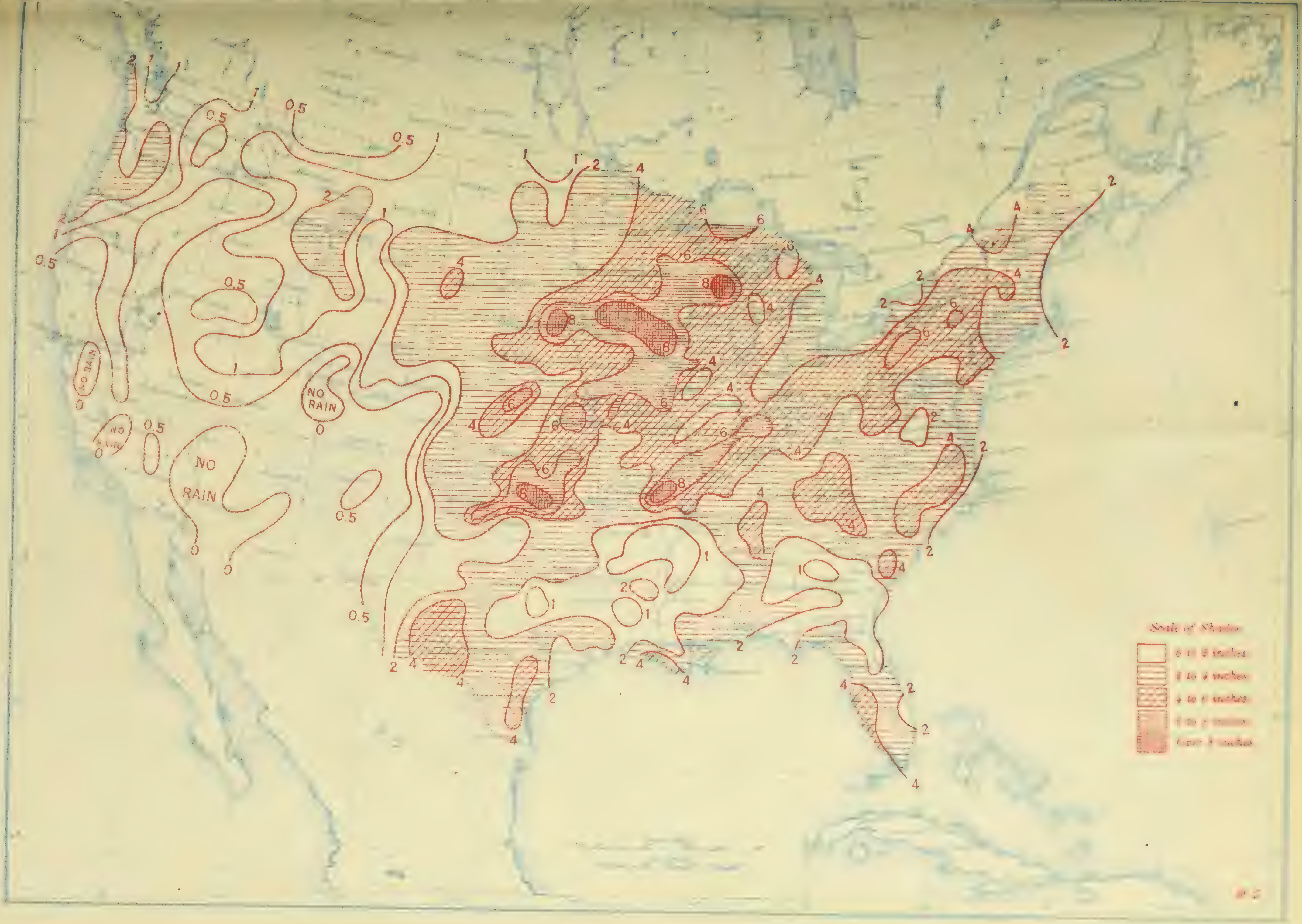
Stations.	Data.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Monthly.
Indian Springs*	Evaporation																																
	Wind movement																																
Lamoille*	Evaporation																																
	Wind movement																																
Marlette Lake.*	Evaporation																																
	Wind movement																																
Tahoe, Cal.**	Evaporation	.105	.065	.035	.155	.175	.120	.125	.075	.085	.080	.075	.155	.140	.175	.155	.190	.190	.200	.160	.215	.145	.130	.090	.115	.125	.080	.100	.010	.090	.075	.110	3.775
	Wind movement	56	55	33	71	95	72	43	76	86	82	70	80	107	57	85	105	112	89	57	108	63	88	54	77	63	85	70	83	95	114	48	2,388

* Observations taken at 7 a. m.; ** at 8 a. m. ‡ Included in next following entry.

Daily temperatures for May, 1918.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek (near)	Maximum..																																
	Minimum..																																
Owyhee	Maximum..																																
	Minimum..																																
San Jacinto	Maximum..	76	79	82	82	74	64	70	64	52	54	61	70	74	70	61	55	58	57	64	64	62	65	67	61	58	55	43	55	64	67	61	64.2
	Minimum..	27	25	31	36	45	23	24	32	22	28	28	32	33	45	21	33	31	38	26	24	21	21	35	29	24	39	29	26	29	37	41	30.2
Humboldt Basin.																																	
Austin	Maximum..	73	78	..	81	73	70	68	65	54	45	59	45	67	62	62	65	61	62	63	64	66	70	70	67	65	55	45	46	54	66	65	62.9
	Minimum..	40	44	....	42	39	34	38	32	20	30	27	30	36	31	37	35	30	33	35	37	35	32	41	36	47	30	30	30	29	32	42	34.5
Battle Mountain	Maximum..	82	84	88	89	83	80	79	72	74	74	79	80	81	75	73	70	73	72	70	72	72	74	75	78	77	75	77	78	80	75	74	76.9
	Minimum..	35	34	34	35	35	36	36	44	49	47	27	29	29	42	40	38	38	35	30	31	32	29	28	26	29	24	24	22	18	30	32	32.8
Elko	Maximum..	77	82	86	87	85	78	76	73	55	59	65	74	78	78	68	65	66	67	70	71	70	68	73	70	70	66	52	57	64	65	65	70.3
	Minimum..	31	30	36	36	37	32	33	40	30	31	27	30	28	45	30	32	43	33	29	28	26	28	37	31	38	28	31	35	27	31	28	32.3
Eureka	Maximum..	76	79	83	80	77	71	70	67	48	50	58	70	73	74	64	65	65	64	72	68	68	71	70	67	62	59	55	54	55	60	68	66.5
	Minimum..	37	45	41	53	40	31	38	32	21	35	28	30	37	43	32	32	40	29	31	37	28	38	38	38	32	35	31	24	32	30	42	34.8
Imlay	Maximum..	79	80	81	79	70	70	77	60	49	60	67	75	79	69	61	63	69	69	71	70	71	73	71	67	68	56	55	55	66	75	68	68.5
	Minimum..	40	39	55	45	35	36	35	25	29	32	33	33	31	35	33	37	36	37	32	40	38	40	40	33	34	33	33	39	36	41	35	36.1
Lamoille	Maximum..	72	71	75	78	79	66	67	69	71	52	52	61	67	74	74	60	61	62	64	64	64	62	66	66	66	59	58	44	50	57	61	64.3
	Minimum..	37	31	41	38	43	19	29	29	24	14	24	19	19	31	34	20	30	25	33	33	24	33	39	39	32	32	28	32	27	34	38	30.0
Lovelock	Maximum..	82	79	84	84	80	74	77	75	54	59	65	76	76	76	67	67	65	68	72	71	71	75	76	73	67	65	57	55	70	75	74	71.3
	Minimum..	34	38	32	39	43	44	42	44	25	30	33	30	31	42	39	38	32	36	33	36	38	41	41	40	38	34	35	33	31	30	42	36.3
Metropolis	Maximum..	74	77	80	79	72	70	67	70	63	55	65	66	73	70	65	60	63	60	65	67	65	70	65	63	67	57	43	53	60	63	61	65.4
	Minimum..	30	30	30	36	40	30	28	28	28	25	27	28	28	28	29	30	32	42	25	28	21	32	30	28	28	33	30	30	32	32	38	30.2
Paradise Valley	Maximum..	70	78	74	81	80	82	78	77	53	61	67	77	79	67	63	60	65	67	67	70	65	77	76	69	67	61	56	61	72	77	71	69.9
	Minimum..	21	18	16	15	20	27	30	29	24	21	28	27	32	41	27	30	32	37	35	26	25	11	30	27	29	36	32	37	30	29	24	27.3
Potts	Maximum..	74	76	75	74	78	80	82	80	80	79	78	76	79	82	86	79	76	77	77	80	76	76	81	81	74	76	77	74	80	82	84	78.4
	Minimum..	32	34	34	36	36	34	32	34	32	32	31	30	28	32	34	30	28	28	29	32	30	29	31	31	33	36	36	35	37	37	38	32.6
Tecoma	Maximum..	73	82	81	87	86	86	80	67	70	60	67	72	75	77	74	70	65	71	73	74	70	71	73	70	71	70	68	70	74	76	78	73.6
	Minimum..	32	36	37	43	42	40	32	44	31	33	34	37	41	44	40	39	41	34	37	33	29	28	31	30	32	30	29	26	31	34	36	35.1
Winnemucca	Maximum..	80	83	84	80	69	72	76	46	52	60	67	75	76	63	59	64	63	67	69	68	64	75	74	68	64	52	55	58	68	75	68	67.6
	Minimum..	35	37	36	43	44	39	35	34	30	29	30	31	38	35	30	35	33	37	32	35	32	28	35	40	34	34	34	37	33	35	44	35.0
Truckee Basin.																																	
Marlette Lake	Maximum..	58	..	59	50	48	53	54	33	34	38	45	54	54	43	41	43	41	44	49	48	52	53	51	50	45	33	34	36	50	58	58	47.0
	Minimum..	25	..	....	27	22	27	34	32	22	17	20	25	22	30	28	27	28	27	25	25	30	34	29	29	33	27	24	24	28	31	36	27.2
Reno	Maximum..	79	76	80	73	69	72	74	56	52	53	66	75	72	62	59	64	60	65	71	68	71	74	71	69	62	52	57	57	70	76	72	67.0
	Minimum..	43	49	40	45	37	39	40	33	32	32	38	33	43	45	34	36	37	34	33	38	36	38	40	40	39	36	37	40	40	38	48	38.5
Tahoe, Cal.	Maximum..	66	65	69	64	58	63	65	39	43	48	58	65	63	55	52	55	51	56	61	60	61	64	63	62	55	43	44	47	61	66	65	57.6
	Minimum..	30	33	28	32	27	29	31	35	23	22	27	26	29	33	26	26	27	25	21	25	28	29	27	27	33	27	30	28	30	29	35	28.4
Carson Basin.																																	
Fallon §§	Maximum..	81	83	86	82	71	75	77	55	58	53	67	76	80	71	67	72	67	72	73	74	69	78	77	74	69	59	59	65	71	80	75	71.5
	Minimum..	39	43	41	42	40	42	38	52	34	34	40	34	40	43	32	38	36	35	34	42	37	38	41	42	40	35	33	40	32	36	48	38.7
Gardnerville	Maximum..	76	75	78	78	75	74	71	71	70	69	68	71	73	70	67	66	66	67	67	66	66	70	72	69	66	64	60	60	63	75	72	69.5
	Minimum..	36	34	33	37	31	34	35	40	26	26	30	30	36	44	29	31	35	28	29	30	33	34	32	31	38	40	34	30	33	33	39	33.3
Lahontan	Maximum..	77	....	83	80	....	78	....	75	57	....	67	74	76	69	67	70	68	71	71	72	68	76	75	72	67	65	5[illegible]	54	70	78	72	70.8
	Minimum..	49	..	47	50	....	46	....	39	34	....	33	43	49	47	39	42	38	40	38	47	38	44	42	42	41	38	35	41	38	42	42	41.6
Walker Basin.																																	
Mina	Maximum..	82	83	89	89	84	79	82	79	58	56	67	76	83	79	80	68	75	74	68	70	73	84	78	78	72	57	61	65	76	80	79	75.0
	Minimum..	43	41	41	47	45	41	33	22	22	....	..	31	....	....	28	38	38	32	32	34	42	37	48	38	41	....	21	21	25	32	50	35.5
Thorne	Maximum..																																
	Minimum..																																
Yerington	Maximum..	84	85	89	84	74	76	80	67	59	61	69	80	82	79	70	74	71	75	76	79	72	81	81	87	73	68	59	56	71	79	71	74.6
	Minimum..	40	45	36	39	36	33	37	44	26	27	34	33	39	49	28	33	34	28	29	34	39	35	35	31	36	34	33	33	33	35	39	35.1
Colorado Basin.																																	
Indian Springs	Maximum..																																
	Minimum..																																
Las Vegas	Maximum..	88	93	95	94	97	93	89	77	74	73	80	88	90	86	83	85	87	88	87	88	89	89	91	87	83	80	78	79	70	80	88	85.5
	Minimum..	50	51	52	54	60	55	55	47	42	39	43	48	44	48	50	51	51	50	49	49	50	48	47	48	55	55	48	49	49	54	46	49.6
Logandale	Maximum..	93	95	96	96	89	92	91	82	83	77	76	81	86	91	94	90	85	87	85	89	91	89	89	92	91	87	79	79	70	82	90	87.0
	Minimum..	49	41	50	48	57	54	47	51	52	48	46	42	41	44	43	55	44	43	48	42	54	51	43	44	45	43	50	42	50	46	48	47.1
Pioche	Maximum..																																
	Minimum..																																
Minor Basins.																																	
Beatty	Maximum..	86	91	92	93	86	85	86	72	66	66	72	81	83	86	80	80	77	78	79	81	82	85	83	83	83	76	79	72	60	78	86	80.2
	Minimum..	41	46	44	49	47	39	45	46	41	37	39	36	43	44	38	39	35	38	39	38	46	44	42	43	38	41	41	38	43	35	47	41.4
Gerlach	Maximum..	86	83	85	86	84	72	77	77	51	59	68	77	78	82	75	68	63	68	70	71	74	77	75	73	65	63	58	61	77	80	77	72.9
	Minimum..	36	46	34	38	35	34	41	38	33	34	36	43	38	42	32	43	37	40	32	37	35	33	32	41	37	37	36	37	32	33	36	36.7
Goldfield	Maximum..	77	79	84	82	73	69	71	66	53	46	61	71	74	74	65	68	71	69	73	69	72	74	76	73	74	66	54	56	51	71	72	68.8
	Minimum..	37	42	45	45	48	36	39	39	29	31	32	32	40	44	35	35	39	36	38	42	42	42	44	43	44	34	30	26	30	29	41	37.7
McDermitt	Maximum..	78	78	81	77	74	77	73	70	50	58	65	74	75	72	56	60	60	63	65	64	64	70	70	65	62	60	57	57	71	75	65	67.3
	Minimum..	39	44	42	41	35	29	35	37	26	28	27	35	40	42	27	33	35	36	31	30	28	35	38	36	31	29	35	33	32	36	35	34.2
McGill	Maximum..	76	79	82	82	76	70	73	72	59	44	59	68	71	72	70	62	64	67	70	70	64	70	74	62	59	55	49	45	51	61	66	65.9
	Minimum..	34	30	43	50	42	40	40	34	29	31	30	32	42	42	38	33	44	31	33	41	35	30	39	36	23	32	31	26	31	31	31	35.3
Millett	Maximum..	76	78	82	80	71	72	74	64	53	53	61	70	75	77	66	68	68	66	73	75	79	75	74	71	67	49	52	58	71	65	70	68.8
	Minimum..	24	30	37	32	42	30	25	40	20	31	24	22	30	29	27	25	39	27	30	32	33	35	40	38	36	26	29	27	23	25	30	30.3
Oasis Ranch	Maximum..	81	82	84	90	80	79	80	70	60	55	65	79	82	81	79	78	75	73	71	76	74	79	82	76	69	70	65	54	58	74	77	74.1
	Minimum..	33	34	38	41	42	38	35	38	32	33	32	35	37	43	35	36	34	37	38	39	38	40	37	45	44	35	38	29	35	32	40	36.9
Rebel Creek	Maximum..	80	82	83	81	77	72	74	70	51	59	66	75	77	69	60	61	65	66	68	67	62	73	74	69	64	58	55	62	73	75	68	68.9
	Minimum..	42	46	41	46	40	38	40	35	27	29	34	35	40	40	31	38	35	38	31	38	26	32	37	36	31	38	32	35	39	42	41	36.6
Sand Pass	Maximum..	82	81	82	80	72	72	77	68	54	60	69	76	75	64	64	68	62	68	72	70	68	75	75	72	66	61	60	61	76	81	73	70.5
	Minimum..	44	49	40	47	40	41	43	38	34	36	39	36	41	36	37	43	38	42	58	40	37	37	43	41	40	36	39	43	39	42	46	40.8
Searchlight	Maximum..	81	86	88	87	79	76	81	67	67	62	71	78	83	84	79	79	79	78	80	76	78	83	83	82	78	77	68	64	62	71	82	77.1
	Minimum..	55	55	58	57	54	54	57	48	41	41	45	55	54	58	54	51	51	50	50	53	50	53	53	55	57	48	45	45	43	45	54	51.3
Sulphur	Maximum..	80	82	84	82	74	71	78	75	65	59	67	76	76	74	64	65	63	68	70	70	69	74	74	72	66	62	59	59	74	79	79	71.3
	Minimum..	31	32	31	40	39	38	35	35	33	31	32	34	36	40	38	38	38	41	35	37	32	30	33	35	37	39	39	48	41	35	40	36.4
Tonopah	Maximum..	72	74	77	76	65	65	66	54	46	46	56	66	69	71	58	62	64	63	67	66	67	68	69	68	59	60	45	43	49	67	66	62.7
	Minimum..	49	52	55	53	42	42	44	32	28	26	33	41	48	43	39	38	41	36	40	45	41	49	48	45	41	32	27	29	30	36	45	40.3

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades
0 to 2 inches
2 to 4 inches
4 to 6 inches
6 to 8 inches
Over 8 inches
NO RAIN
NO RAIN
NO RAIN
NO RAIN
0.5
1
2
4
6
8

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CLIMATOLOGICAL DATA

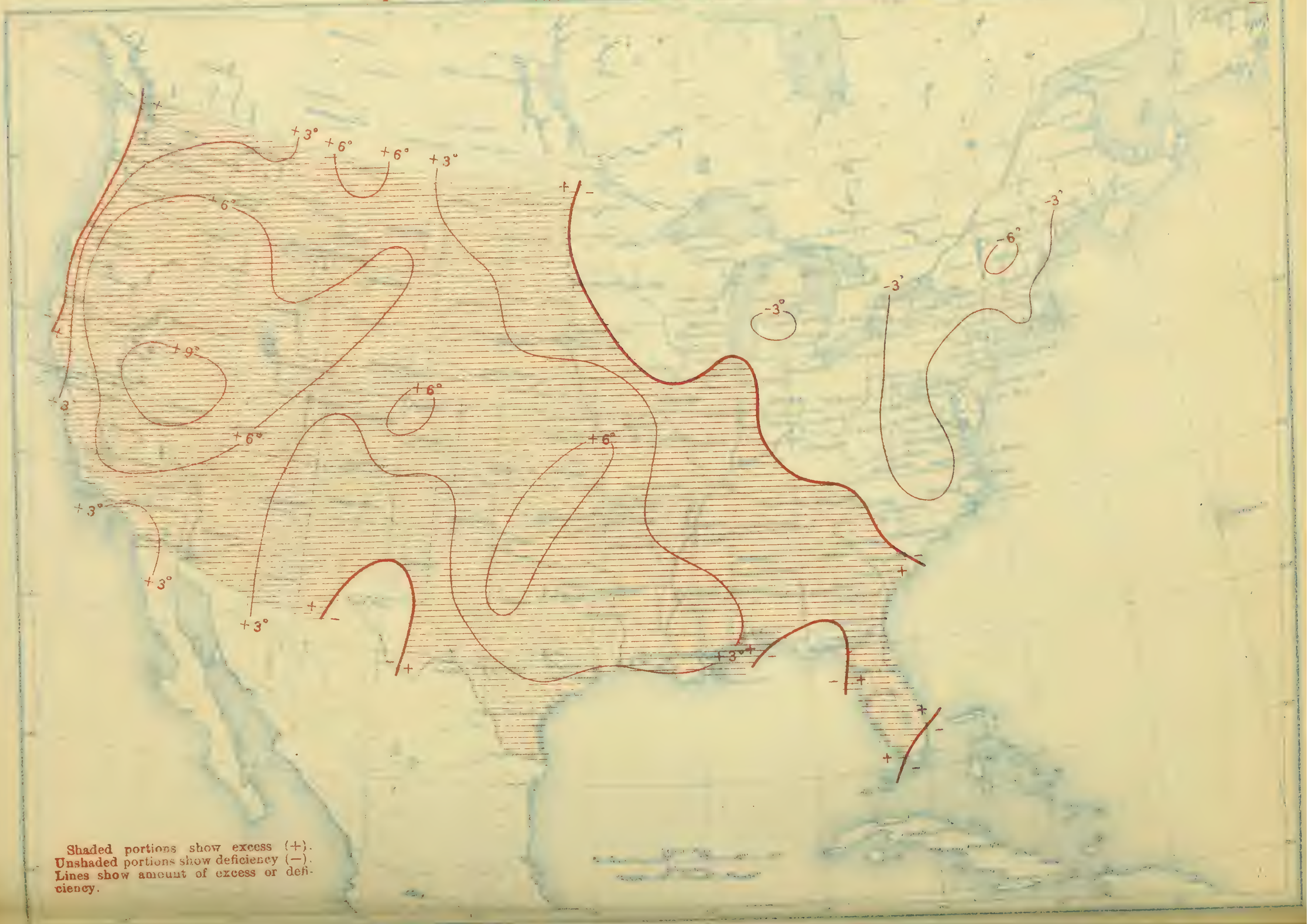
NEVADA SECTION

JUNE, 1918

BY
HENRY F. ALPS
METEOROLOGIST

RENO, NEV.
WEATHER BUREAU OFFICE
JULY 22, 1918.

Departure of the Mean Temperature from the Normal, June, 1918.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALPS, Meteorologist.

VOL. XXXIII. RENO, NEVADA, JUNE, 1918. No. 6.

GENERAL SUMMARY.

There was a change to much warmer weather at the beginning of June and high temperatures continued throughout the month. It was the warmest June in the past 30 years, which is the period covered by state-wide records. The next warmest June was in 1889, with an average of 70°, or 1.6° lower than the same month of this year. The highest temperatures on record for the month of June were recorded at a number of stations. The monthly maximum temperature was 90° or higher, at all stations, except Marlette Lake. Sixteen stations recorded 100°, or more. The monthly mean temperature at Reno was 10° above normal.

From the 15th to the 23d heavy showers fell in a number of localities extending from Nye County and the southeastern portion of Esmeralda County northward through Lander, Eureka, White Pine, Elko, and eastern Humboldt Counties, which resulted in some damage to highways and railroads. A few stations reported the heaviest 24-hour rainfall on record. Austin, McGill, and Millett received over three inches of precipitation during the month. The driest areas were in the extreme western portion of the State where the monthly amounts were generally less than a quarter of an inch.

The weather was favorable for agricultural interests. The steady high temperatures caused the rapid development of wheat, oats, barley, rye, alfalfa, potatoes, garden truck, and fruit in all irrigated districts. The showers greatly benefitted ranges and hay crops where water for irrigation was not available. Grass on ranges in the central part of the State improved to such an extent that cattle were moved from outside sections to these grazing lands. The second crop of alfalfa had been harvested in the south portion of the State, and the cutting of the first crop was well under way in other portions. The yields were normal, or slightly greater, and practically all of the hay was placed in the stack free from damage by wet weather. All crops were in a healthy condition at the close of the month. Cattle, sheep, and hogs were thriving. Sheepshearing was completed with a good wool clip.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 36 stations, was 71.6°. The mean for the 25 stations having ten or more years' record was 7.1° above normal. The highest recorded was 114°, at Logandale on the 11th and 12th; the lowest was 21°, at Beowawe on the 1st. The greatest daily range was 70°, at Battle Mountain on the 9th. The highest monthly mean was 84.7°, at Logandale; the lowest was 59.9°, at Marlette Lake.

PRECIPITATION.

The average for 50 stations reporting was 0.94 inch. For the 29 stations having ten or more years' record, the mean was 0.69 inch above the normal. The average amount at 2 stations in the Columbia Basin was 1.20 inches; at 18 stations in the Humboldt Basin, 1.27 inches; at 4 stations in the Truckee Basin, 0.26 inch; at 3 stations in the Carson Basin, 0.30 inch; at 4 stations in the Walker Basin, 0.86 inch; at 2 station in the Colorado Basin, 0.48 inch; at 17 stations in the minor basins, 0.90 inch. The greatest monthly fall was 3.36 inches, at Millett. There was none at one station. The average number of days with precipitation was 4.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric pressure (sea level)			Mean relative humidity		Wind.			
	Mean.	Highest.	Lowest.	[illegible]	[illegible]	Average hourly velocity	Max. velocity		
							Miles per hour	[illegible]	[illegible]
Reno	29.86	30.15	29.57	[illegible]	23	6.4	28	W.	[illegible]
Winnemucca	29.91	30.22	29.65	63	28	5.2	35	SW.	12
Tonopah	29.87	30.09	29.61	44	27	7.1	36	SE.	20

SUNSHINE AND CLOUDINESS.

At Reno, 84 per cent of the possible sunshine was recorded; at Winnemucca, 82 per cent; at Tonopah, 84 per cent. For the State, the average number of clear days was 17; partly cloudy, 8; cloudy, 5.

MISCELLANEOUS PHENOMENA.

(Dates of.)

Brisk winds.—2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 20, 23, 24, 28, 29, 30.

Thunderstorms.—3, 4, 5, 6, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 27, 29, 30.

Fog.—22.

Killing frost.—29.

Hail.—17, 21.

Aurora.—16.

Parhelia.—6, 7, 15.

COMPARATIVE DATA FOR JUNE.

Year.	Temperature.			Average precipitation.	Average snowfall	Number of days.				Prevailing wind
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	70.0	110	30	0.22	0	2	18	7	5	S.
1890	61.5	109	24	0.65	0.2	1	22	7	1	S.
1891	59.8	97	8	1.18	0.5	5	14	8	8	W.
1892	62.8	110	22	1.06	0.9	4	17	8	5	W.
1893	63.8	100	18	0.04	T.	0	28	2	0	SW.
1894	57.8	92	20	1.12	1.0	5	12	10	8	SW.
1895	62.9	109	14	0.13	0.1	1	20	6	4	SW.
1896	68.7	117	25	0.22	0	2	19	6	5	SW.
1897	62.8	112	20	0.37	0.1	3	16	8	6	W.
1898	65.0	104	20	0.19	T.	1	20	7	3	W.
1899	63.7	103	21	0.60	0.2	2	22	4	4	W.
1900	67.7	111	28	0.32	0.1	2	19	5	6	W.
1901	59.1	99	21	0.15	0.2	1	19	8	3	SW.
1902	66.3	116	20	0.04	0.2	0	24	3	3	SW.
1903	66.5	113	28	0.45	T.	3	17	8	5	SW.
1904	63.6	106	11	0.01	T.	1	21	5	4	SW.
1905	61.9	101	24	0.11	T.	1	21	5	4	S.
1906	60.2	115	20	0.59	T.	2	16	9	5	W.
1907	56.9	111	18	1.09	1.4	5	13	9	8	W.
1908	60.8	116	18	0.47	0.6	3	17	9	4	W.
1909	65.5	112	24	0.28	0	1	19	7	4	W.
1910	65.4	108	23	0.05	0	1	23	5	2	S.
1911	62.8	109	20	0.74	0	4	14	10	6	W.
1912	63.6	112	23	0.59	0	3	17	7	6	W.
1913	61.8	106	28	1.99	T.	8	11	9	10	W.
1914	62.0	114	12	1.26	0.7	6	15	8	7	W.
1915	63.3	109	23	0.13	T.	1	23	5	2	W.
1916	62.5	112	19	0.05	0.1	0	21	7	2	SW.
1917	63.9	110	20	0.13	T.	1	26	3	1	SW.
1918	71.6	114	23	0.94	0	1	17	8	5	W.
Entire period	63.5	117	8	0.49	0.2	2	19	7	4	W.

CORRECTIONS.

March, 1918. Fallon, page 20, mean temperature should be 44.2° instead of 44.0°; page 22, mean maximum should be 58.8° instead of 58.6°.

Mahoney Ranger Station, page 20, mean temperature should be 32.4° instead of 31.2°.

LATE REPORTS.

May, 1918.—Clover Valley, mean temperature 49.7°; highest, 81° on the 4th; lowest 24° on the 1st; total precipitation, 0.59 inch; number of days with precipitation, 4; clear, 14; partly cloudy, 7; cloudy, 10.

Climatological data for June, 1918.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days.				Prevailing direction of the wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	5								5										U. S. Forest Service.
Mahoney Ran. Sta.**	do	6,200	3								3	0.68		0.30	0	5	21	7	2		Do.
Owyhee	do	5,400	7								7										E. A. Schwab.
San Jacinto	do	5,200	13	64.8	+7.8	96	12	27	1	51	13	1.72	+0.03	0.94	0	5	11	15	4	sw.	Utah Construction Co.
Humboldt Basin.																					
Arthur	Elko	6,500									8	1.37	+0.42	0.51	0	4	17	11	2		Isaac Woodhouse.
Austin	Lander	6,594	29	70.2	+10.0	96	13	38	1	38	29	3.14	+2.32	1.00	0	5	15	0	15		Forest Service.
Battle Mountain	do	4,513	47	73.2	+7.3	102	14	31	9	70	49	0.02	−0.49	0.02	0	1	19	0	11	w.	Southern Pacific Co.
Beowawe	Eureka	4,695	47					21	1		49	1.50	+1.08	1.00	0	2	11	19	0	w.	Do.
Clover Valley**	Elko	6,000	17	67.0	+7.9	94	12	32	2	45	25	1.15	+0.39	0.34	0	7	15	7	8		J. D. Weeks.
Elko	do	5,063	47	70.2	+7.5	100	†10	33	†1	54	48	1.70	+0.80	1.00	0	4	13	14	3	sw.	Western Pacific Co.
Eureka	Eureka	6,837	20	68.0	+7.2	97	12	28	1	44	22	1.97	+1.03	0.60	0	9	17	7	6	s.	Clay Simms.
Golconda	Humboldt	4,392	39	73.0	+7.4	100	11	39	1	45	41	0.85	+0.29	0.28	0	4	11	19	0	w.	Southern Pacific Co.
Hylton**	Elko	7,081									8	1.19		0.72	0	3	25	5	0		Chas. Toyne, sr.
Imlay §	Humboldt	4,209	5	74.2	+7.3	101	†11	40	1	50	5	1.15	+0.93	0.35	0	4	8	16	6	w.	Southern Pacific Co.
Lamoille	Elko	6,100	3	66.1		92	19	32	1	47	3	1.67	+0.85	0.45	0	6	25	4	1		Elko-Lamoille Power Co.
Lovelock	Humboldt	3,977	24	71.4	+4.7	99	12	34	1	46	22	0.99	+0.71	0.59	0	5	17	4	9	s.	John R. Montgomery.
Metropolis §	Elko	5,661	5	66.1		96	11	26	1	47	9	0.65	+0.14	0.35	0	4	12	18	0	w.	L. F. Hatch.
North Fork	do	6,500									9	1.68		0.70	0	5	9	11	10	w.	Roy C. Pratt.
Paradise Valley	Humboldt	4,500	5	67.0		100	12	26	1	53	9	1.17		0.55	0	7	16	3	11	nw.	F. C. Buckingham.
Potts	Nye	6,002	25	68.6	+6.8	96	15	43	†18	47	27	1.15	+0.75	0.28	0	7	17	6	7	s.	Miss Irene Potts.
Tecoma	Elko	4,812	40	71.2	+8.4	101	11	39	2	56	42	0.15	−0.45	0.06	0	4	12	16	2	w.	Southern Pacific Co.
Winnemucca	Humboldt	4,344	41	70.6	+7.3	100	11	33	1	47	49	1.33	+0.69	0.69	0	9	19	7	4	ne.	U. S. Weather Bureau.
Truckee Basin.																					
Franktown	Washoe	5,054	2								2										Agent V. & T. Ry.
Marlette Lake*	do	7,900	3	59.9^b		80^a	26	36^a	2	28^a	5	0.17		0.06	0	4	19^a	8^a	2^a	sw.	V. & G. H. Water Co.
Reno	do	4,532	31	71.0	+10.0	96	27	37	1	44	31	0.14	−0.10	0.08	0	3	21	7	2	w.	U. S. Weather Bureau.
Bijou, Cal.		6,230	3								9										Chas. Young.
McKinney, Cal.**		6,225									9	0.18		0.18	0	1	25	3	2	w.	Henry Soll.
Tahoe, Cal.		6,230	10	60.4		88	28	30	1	46	10	0.56		0.56	0	1	20	5	5	w.	Mrs. Emma C. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	21	73.2	+8.6	99	†10	36	1	47	24	0.79	+0.51	0.40	0	6	14	11	5	s.	U.S. Experiment Station.
Gardnerville	Douglas	4,830	27	66.6	+5.3	90	†12	35	1	41	28	0.08	−0.18	0.08	0	1	26	4	0	w.	Forest Service.
Lahontan**	Churchill	4,200	6	75.0^j		96^j	†12	49^j	1	36^j	8						10^j	8^j	2^j	nw.	U.S. Reclamat'n Service.
Markleeville, Cal.		5,525									9	0.02		0.02	0	1	17	9	4	s.	Mrs. Mary Thornburg.
Woodfords, Cal.**		5,634									9										Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	11	73.1	+3.5	103	14	39	2	50	22	1.29	+1.07	0.80	0	4	7	0	23	nw.	Southern Pacific Co.
Smith	Lyon	4,800									10	0.78		0.20	0	7	7	14	9	sw.	C. M. Carter.
Thorne §	Mineral	4,200	5								5										Southern Pacific Co.
Yerington §	Lyon	4,375	9	74.0	+9.7	99	†9	35	1	49	9	0.96	+0.59	0.64	0	6	4	26	0	n.	W. H. Churchyard.
Shields Ranch, Cal.**		5,300									9	0.40		0.30	0	2	25	5	0		Bruce H. Chichester.
Colorado Basin																					
Indian Springs §**	Clark	3,136	5								5										Ira MacFarland.
Las Vegas	do	2,033	16	84.2	+8.5	112	12	49	2	47	16	0.67	+0.53	0.42	0	2	15	9	6	s.	C. P. Squires.
Logandale §	do	1,355	11	84.7	+3.5	114	†11	52	†2	51	19	0.30	+0.20	0.30	0	1	24	4	2		Bert Mills.
Pioche	Lincoln	6,100	20								20										John Robinson.
Minor Basins.																					
Beatty	Nye	3,309	2	80.6		112	28	49	2	49	2	0.29		0.25	0	2	17	10	3	s.	E. E. Palmer.
Duck Flat**	Washoe	4,725									4	0.00		0.00	0	0	23	5	2	w.	C. T. Smith.
Francis (near)	do	5,350									4	0.20		0.12	0	2	24	5	1	sw.	Geo. W. Barnard.
Gerlach	do	3,931	6	71.8		101	10	32	1	56	6	0.02		0.01	0	2	16	0	14	sw.	Western Pacific Co.
Goldfield	Esmeralda	5,700	11	72.6	+7.7	99	12	37	1	40	13	2.83	+1.35	2.43	0	5	19	5	6	s.	R. W. Robinson.
Jungo	Humboldt	4,165									5	0.04		0.02	0	3	15	9	6		Western Pacific Co.
Lida	Esmeralda	6,037	6								6										F. H. Aubrey.
McDermitt	Humboldt	4,700	7	68.0	+3.0	95	12	29	1	45	31	0.95	+0.13	0.60	0	2	26	1	3	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	8	69.2	+3.2	97	11	41	2	42	8	3.25	+2.83	0.62	0	10	12	11	7	n.	R. E. Middagh.
Millett	Nye	5,040	10	65.6	+4.9	94	14	28	1	54	11	3.36	+2.17	1.47	0	5	13	7	10	sw.	Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	6	73.7	+11.6	100	†9	41	1	49	6	0.75	+0.46	0.50	0	2	15	13	2	s.	Arthur L. Stewart.
Pahrump	Nye	2,608	5								5										F. M. Buol.
Quinn Riv. Ranch**	Humboldt	4,850	16	68.6	+7.5	102	12	23	1	57	17	0.36	−0.17	0.24	0	2	21	5	4	s.	F. M. Payne.
Rebel Creek	do	4,300	6	71.4^i		98^i	12	32^i	1	44^i	7	0.44		0.22	0	5	7^i	13^i	2^i	sw.	Fred Whitaker.
Sand Pass**	Washoe	4,198	5	74.0		99	11	36	1	45	5	0.25		0.23	0	2	19	4	7	w.	R. R. Mott.
Searchlight	Clark	3,445	5	84.8		108	†11	59	1	31	5	0.33		0.24	0	2	18	7	5	s.	C. L. Aug. Mahn.
Sulphur	Humboldt	4,044	5	72.6		102	12	31	1	50	5	0.43		0.30	0	4	14	11	5	sw.	Western Pacific Co.
Tonopah	Nye	6,090	13	72.4		92	12	47	1	27	13	0.85		0.37	0	6	20	9	1	se.	U. S. Weather Bureau.
Vya	Washoe	5,500									5	1.10		1.00	0	3	22	8	0	sw.	L. A. Mariette.
For the State				71.6	+7.1	114	†11	23	1	70		0.94	+0.69	2.43	0	4	17	8	5	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Mahoney Ranger Station, Jarbridge; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of McKinney, Hellman's, Lake Tahoe, Cal.; of Lahontan, Hazen; of Woodfords, Cal., Sheridan, Nev.; of Shields Ranch, Coleville, Cal.; of Duck Flat, Sunkist; of Oasis Ranch, Oasis, Cal.; of Quinn River Ranch, Amos; of Sand Pass, Flannigan.

Reference letters, a, b, c, appearing in the table indicate number of days missing, for example, b represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

‡ Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for June, 1918.

Stations.	Day of month																															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia Basin.																																
Gold Creek (near)				.12																												0.12
Mahoney Ranger Station ‖																.30		.20			.02	.01										
Owyhee																																
San Jacinto					T.	T.							T	T	.11	.16				.21	.94		.30									1.72
Humboldt Basin.																																
Arthur												T.					.51	T	T	.22	.32	.31	T									1.37
Austin											T.					.90	1.00	.28			.01	.95										3.14
Battle Mountain																			T	T	.02	T										0.02
Beowawe																1.00						.50										1.50
Clover Valley															.13	.07		.12		.18	.34	.13	.18									1.15
Elko																	T.	.10	.10		1.00		.50									1.70
Eureka											T.			.08	.13	.42	.20	.05	.07	.60	.17		.25									1.97
Golconda																.28	.21				.28	.08										0.85
Hylton																	.72	.31		.16												1.19
Imlay																.35	.30				.32	.18										1.15
Lamoille ‖														.12	T.	T	.29	.45	T	T	.32	.14	.25	T								1.67
Lovelock																	.14	.17	.03	.06	.59											0.99
Metropolis ‖				T.	.10						T.	T.	T.	T	.10	.10			T.	T	T.	T.	.35									0.65
North Fork																.18	.50		.20	.70	.10											1.68
Paradise Valley												T	.15			.01	.03		.07	.55	.11	.25										1.17
Potts																.09	.10	.28	.10	.19	.19	.20							T			1.15
Tecoma														.03	.02	.06					.04											0.15
Winnemucca***						.02						T.				.36	.05	.01	.01	.03	.18	.66	.01									1.33
Truckee Basin.																																
Franktown	.06																															
Marlette Lake ‖			T.									.03					.03					.65										
Reno ***										.05	.06	T.				T	T		T.	.06	T	T										0.17
Bijou, Cal.																																0.14
McKinney, Cal.											.18					T.	T															0.18
Tahoe, Cal. ‖												.56					T.					T										0.56
Carson Basin.																																
Fallon ‖												.05	.04		T.		.03	.20			.07	.40										0.79
Gardnerville												T.							T.			.08										0.08
Lahontan			T.																													....
Markleeville, Cal.													T.					T.	.02													0.02
Woodfords, Cal.																																
Walker Basin.																																
Mina																.20	.16	.13		.80												1.29
Smith			T.	.04	T.					T.	.17	T.					.20	.17	T	.08	.11								.01	T		0.78
Thorne																																
Yerington																	.08	*	.06	.10	.08	.64										0.96
Shields Ranch, Cal.														T.	T					.10	.30											0.40
Colorado Basin.																																
Indian Springs ‖																																
Las Vegas													T.	T.	T.	.25		.42											T.	T		0.67
Logandale														T	T.		T.	.30														0.30
Pioche																																
Minor Basins.																																
Beatty																	.04													.25		0.29
Duck Flat				T.																												0.00
Francis (near)																				.12										.08		0.20
Gerlach																						.01	.01									0.02
Goldfield															.05	.13	.18	.04	2.43													2.83
Jungo																.01					.01	.02										0.04
Lida																																....
McDermitt												T.				T		.60		.35												0.95
McGill											T.	.40	.31	.28	.41	T.	.50	T.	.62	.09	.41	.17	.06						T.	T.		3.25
Millett												T				T.	1.47	1.20	.25	.40		.04										3.36
Oasis Ranch															T.	.50							.25							T.		0.75
Pahrump																																
Quinn River Ranch																.12						.24										0.36
Rebel Creek													T.			T.	.04		.04	.04	.10	.22										0.44
Sand Pass												T.				T.	T.	T.		.02		.23										0.25
Searchlight																.09	.24						T.							T.		0.33
Sulphur																.05	.05			.03		.30										0.43
Tonopah***												T.			.37	.12	.26	T.	.01		.01	.08										0.85
Vya ‖				.05							.05											1.00										1.10

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. ‖ Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

Daily evaporation (inches) and wind movement (miles) for June, 1918.

(See temperature and precipitation data in climatological tables, pages 44 to 46.)

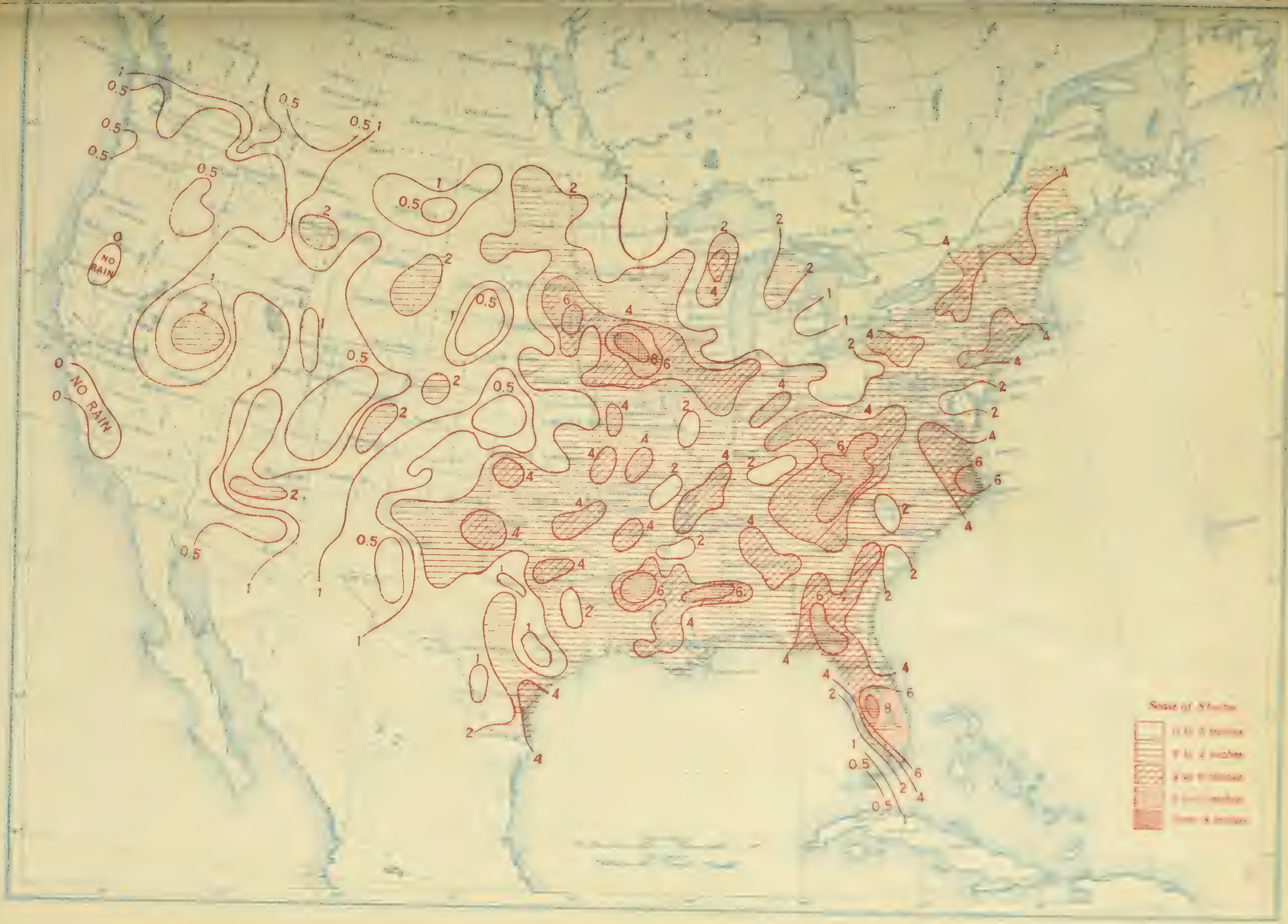
Stations.	Data.	Day of month.																														Monthly.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Indian Springs*	Evaporation																																
	Wind movement																																
Lamoille*	Evaporation	.230	.242	.367	.136	.230	.170	.316	.307	.295	.431	.379	.306	.283	.338	.221	.119	.085	.069	.228	.330	.058	.125	.238	.149	.271	.288	.413	.478	.300	.292	....	7.694
	Wind movement	69	77	60	63	69	50	46	74	82	92	78	84	60	80	68	77	27	58	55	45	40	40	40	65	75	66	72	77	81	62	....	1,932
Marlette Lake.*	Evaporation	.303	‡	.534	.262	.293	.274	.284	.286	.305	.369	.333	.216	.323	.387	.283	.270	.102	.236	.337	.223	.167	.255	.241	.295	.325	.401	.420	.356	.450	.565	...	9.095
	Wind movement	....	‡	87	100	56	58	55	40	49	72	61	63	52	85	58	52	42	58	60	48	36	47	66	58	69	92	76	48	84	156	....	1,828
Tahoe, Cal. **	Evaporation	.140	.105	.185	.155	.165	.160	.140	.125	.095	.170	.095	.130	.105	.215	.175	.145	.180	.220	.145	.175	.170	.155	.155	.140	.225	.105	.180	.140	.135	.185		4.615
	Wind movement	48	49	58	68	78	69	73	65	55	61	50	50	77	86	93	55	93	59	62	77	66	48	53	57	54	69	38	71	79	57		1,918

* Observations taken at 7 a. m.; ** at 8 a. m. ‡ Included in next following entry.

Daily temperatures for June, 1918.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek (near)	Maximum..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Owyhee	Maximum..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
San Jacinto	Maximum..	65	76	79	80	81	83	85	87	92	94	95	96	93	87	85	79	80	85	86	85	78	84	78	83	82	80	82	79	74	85	....	83.3
	Minimum ..	27	36	37	38	36	44	44	47	45	45	45	51	53	50	51	60	58	57	57	57	57	51	51	49	49	45	39	42	38	34	....	46.4
Humboldt Basin.																																	
Austin	Maximum..	71	80	80	80	82	83	86	89	93	94	93	93	96	92	93	85	76	77	83	80	72	76	76	84	86	85	87	86	82	83	....	84.1
	Minimum ..	38	50	48	48	51	55	48	76	56	57	66	55	87	60	59	57	52	55	61	55	56	58	57	52	55	52	54	55	50	65	....	56.3
Battle Mountain	Maximum..	94	95	98	97	99	98	100	100	101	101	100	100	101	102	99	97	95	96	98	95	93	92	93	95	96	96	96	97	98	100	...	97.4
	Minimum ..	35	38	40	37	35	33	34	32	31	32	51	54	58	60	75	77	78	56	58	54	52	56	54	55	49	47	45	46	47	47	....	48.9
Elko	Maximum..	76	83	83	86	87	90	92	96	97	100	100	100	100	97	93	90	90	87	92	94	81	88	90	93	93	92	91	91	91	93	....	91.2
	Minimum ..	33	33	40	40	42	49	45	44	43	46	52	57	53	53	52	57	57	54	57	60	62	53	53	53	52	50	45	45	51	49	....	49.3
Eureka	Maximum..	72	80	81	82	85	86	89	90	92	95	94	97	95	92	86	73	80	80	83	84	74	80	79	85	90	88	88	88	84	89	....	85.4
	Minimum ..	28	40	43	43	47	48	48	54	55	52	56	62	55	57	58	55	56	51	51	56	52	57	53	52	52	49	48	52	43	47	....	50.7
Imlay	Maximum..	77	85	88	90	89	90	92	98	98	100	101	100	101	95	91	94	95	91	94	91	89	80	86	95	89	88	95	92	92	94	....	92.0
	Minimum ..	40	50	55	54	51	52	54	55	70	69	67	79	60	58	58	54	57	61	61	62	61	57	55	57	53	51	55	51	42	49	...	56.6
Lamoille	Maximum..	70	75	79	77	79	80	83	87	88	91	90	91	90	83	82	73	71	82	92	91	82	80	80	81	81	80	81	79	73	88	....	82.0
	Minimum ..	32	37	45	46	46	47	49	52	55	50	50	63	55	58	60	54	53	49	52	55	51	52	51	53	56	51	51	51	40	41	....	50.2
Lovelock	Maximum..	75	82	86	88	90	91	91	94	94	97	97	99	97	95	91	88	86	88	92	90	87	87	86	87	92	93	94	96	93	93	....	90.6
	Minimum ..	34	38	44	45	52	57	47	48	50	51	58	54	55	49	55	53	48	54	53	63	61	64	53	53	52	59	51	52	55	54	....	52.1
Metropolis	Maximum..	67	77	77	79	81	85	88	90	93	91	96	93	94	88	85	79	80	83	86	86	79	81	79	83	87	86	88	85	83	87	....	84.5
	Minimum ..	26	33	40	40	41	56	43	45	49	49	51	51	54	55	57	53	55	53	53	59	56	51	53	49	50	45	44	38	37	45	....	47.7
Paradise Valley	Maximum..	73	70	85	86	88	85	90	95	93	96	99	100	95	90	90	83	86	90	92	90	94	76	85	87	86	84	87	83	80	89	....	87.6
	Minimum ..	26	28	32	44	50	51	44	45	43	45	48	55	52	51	43	56	47	47	54	50	54	59	51	54	46	44	45	43	45	39	....	46.4
Potts	Maximum..	90	89	88	89	90	92	90	89	87	89	90	92	95	94	96	90	88	86	85	86	88	85	87	87	85	89	90	91	93	94	....	89.5
	Minimum ..	48	45	45	47	50	50	51	50	48	47	47	49	52	50	51	49	45	43	43	45	47	47	46	48	45	47	49	48	50	47	....	47.6
Tecoma	Maximum..	76	78	82	84	88	90	93	98	97	99	104	103	100	101	95	98	96	98	96	95	94	97	98	91	94	94	96	93	91	90	....	93.6
	Minimum ..	43	39	41	43	42	43	41	45	44	47	48	54	56	55	53	54	50	55	51	54	53	56	54	51	53	50	44	46	47	48	....	48.7
Winnemucca	Maximum..	73	82	86	86	89	92	90	94	95	98	100	99	97	90	90	82	84	89	89	86	84	81	84	88	90	93	93	89	82	92	....	88.9
	Minimum ..	33	37	48	49	50	55	48	50	52	52	61	58	60	53	48	56	53	54	57	65	63	59	57	56	53	47	47	49	51	45	....	52.2
Truckee Basin.																																	
Marlette Lake	Maximum..	..	62	64	67	69	67	72	75	72	76	79	78	72	72	67	61	65	70	73	67	71	67	68	67	75	80	79	78	71	76	....	71.0
	Minimum ..	37	....	36	39	43	41	44	49	48	48	51	55	56	50	50	51	50	49	50	53	48	52	48	45	48	57	53	50	54	56	...	48.8
Reno	Maximum..	78	82	83	86	89	87	91	93	91	96	93	94	89	86	84	77	84	89	90	82	85	87	83	88	92	94	96	94	89	94	...	88.2
	Minimum ..	37	43	48	49	50	53	50	56	55	55	60	63	56	56	53	54	54	58	57	63	60	58	52	51	51	53	56	60	52	50	..	53.8
Tahoe, Cal.	Maximum	70	73	74	76	76	77	77	83	84	84	79	83	79	78	76	69	76	80	79	73	78	78	75	79	85	85	88	85	83	85	....	78.9
	Minimum	30	31	35	34	35	39	36	38	39	40	42	44	58	47	45	47	46	46	46	51	45	47	41	39	39	43	45	43	44	44	...	42.0
Carson Basin.																																	
Fallon §§	Maximum..	77	85	87	89	90	91	94	97	97	99	99	97	98	93	92	85	87	89	92	89	90	87	90	93	94	95	97	96	88	97	....	91.8
	Minimum ..	36	44	49	49	54	59	49	52	52	52	60	56	57	54	61	61	56	57	57	67	64	59	56	55	55	50	50	56	52	51	....	54.5
Gardnerville	Maximum..	72	77	78	79	82	82	83	88	88	89	89	90	85	82	82	79	81	84	84	80	82	82	81	83	87	87	90	89	87	85	....	83.6
	Minimum ..	35	38	41	42	43	46	44	49	48	49	51	58	52	64	59	55	56	51	51	58	54	58	48	45	48	48	49	49	48	46	....	49.5
Lahontan	Maximum.	...	....	85	84	87	89	88	....	....	94	95	96	96	....	93	89	85	89	....	....	90	....	87	89	91	....	93	....	93	91	....	90.2
	Minimum ..	....	....	49	55	55	60	55	....	...	62	67	63	67	....	60	65	57	63	....	...	61	....	56	57	63	....	63	....	59	59	....	59.8
Walker Basin.																																	
Mina	Maximum..	80	88	90	89	93	94	94	97	99	100	95	100	99	103	94	89	89	89	79	80	84	89	88	94	98	96	99	98	97	96	....	92.7
	Minimum ..	40	39	52	51	54	53	50	47	51	52	58	62	57	58	53	54	54	56	57	54	58	60	54	56	52	48	56	58	56	57	....	53.5
Thorne	Maximum..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Yerington	Maximum..	80	86	89	90	91	88	93	96	99	97	98	98	95	93	91	82	90	90	92	88	91	86	89	95	94	96	99	96	89	95	....	95.2
	Minimum ..	35	41	43	47	50	53	48	54	50	52	58	60	56	55	61	55	56	54	52	63	60	60	55	49	50	49	61	55	54	52	....	52.9
Colorado Basin.																																	
Indian Springs	Maximum..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Las Vegas	Maximum..	91	96	98	98	100	101	99	104	105	105	110	112	111	105	99	85	98	102	98	96	102	101	102	103	106	105	110	111	106	98	....	101.9
	Minimum ..	56	49	56	68	72	68	58	60	60	62	70	70	71	80	70	65	60	68	71	72	68	70	72	62	63	74	75	67	69	70	....	66.5
Logandale	Maximum..	94	100	101	104	103	103	103	107	110	110	114	114	112	103	100	96	102	106	103	104	105	104	103	104	107	111	112	112	108	107	....	105.4
	Minimum ..	53	52	52	53	53	55	58	55	57	60	65	68	69	82	76	66	69	78	75	72	68	66	64	60	60	64	68	63	68	71	....	64.0
Pioche	Maximum..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Minor Basins.																																	
Beatty	Maximum..	86	90	92	95	97	97	98	100	105	103	108	110	109	102	100	93	95	99	97	97	97	99	98	97	103	107	110	112	110	100	....	100.2
	Minimum .	51	49	53	53	54	59	53	55	56	54	64	69	62	65	66	62	68	68	66	68	68	66	60	54	59	63	71	64	66	66	....	61.1
Gerlach	Maximum..	77	84	91	90	88	92	93	97	96	101	98	98	95	93	92	83	89	94	95	94	94	93	88	92	95	98	96	98	98	92	....	92.8
	Minimum ..	32	39	47	46	49	56	42	44	56	46	64	61	49	37	55	38	52	50	56	61	66	66	52	51	50	48	42	55	63	50	....	50.8
Goldfield	Maximum..	73	82	84	86	87	89	90	90	93	95	97	99	98	98	91	84	86	83	84	78	81	86	85	87	93	95	95	95	92	94	....	89.0
	Minimum ..	37	46	52	48	55	52	55	52	53	61	64	61	61	64	64	59	57	58	55	59	58	57	57	58	55	58	58	59	58	57	....	56.3
McDermitt	Maximum..	67	76	82	81	83	85	87	90	89	92	94	95	93	90	87	80	83	87	88	87	88	86	84	84	85	86	88	87	81	83	....	85.6
	Minimum ..	29	39	43	52	50	45	42	54	57	51	61	54	64	47	42	61	49	51	56	60	59	57	53	52	49	49	48	43	46	47	....	50.4
McGill	Maximum..	69	79	81	83	85	84	89	91	95	95	97	96	96	95	85	79	77	84	79	76	78	81	83	88	93	93	85	76	73	72	....	84.6
	Minimum ..	47	41	47	49	48	51	53	49	59	58	59	56	59	65	57	53	52	55	54	56	55	54	57	57	58	57	54	57	51	49	....	53.9
Millett	Maximum..	75	80	80	83	85	87	88	90	91	75	82	81	85	94	90	75	78	78	81	82	76	85	85	86	92	89	91	90	85	90	...	84.3
	Minimum ..	28	30	30	29	43	42	46	40	44	45	50	45	53	46	48	53	51	65	54	59	57	57	54	48	46	50	45	48	50	48	....	46.9
Oasis Ranch	Maximum..	85	89	88	90	94	93	94	95	100	99	98	100	100	100	94	79	85	84	90	85	84	92	88	95	97	98	100	94	93	95	....	92.6
	Minimum ..	41	42	44	43	49	51	53	52	57	50	62	78	56	57	53	60	57	56	61	62	60	56	57	56	54	55	57	59	52	53	....	54.8
Rebel Creek	Maximum..	74	81	87	87	87	87	89	94	92	95	96	98	95	90	91	87	84	91	91	87	86	84	...	...	...	...	...	...	...	...	...	88.8
	Minimum .	32	40	45	57	56	55	52	53	59	55	63	60	58	61	47	60	49	52	56	63	60	58	...	...	...	...	...	...	...	...	...	54.1
Sand Pass	Maximum..	77	83	87	87	90	89	90	95	93	98	99	97	94	89	90	85	85	91	94	87	91	87	85	87	92	96	98	95	90	95	...	90.5
	Minimum ..	36	41	47	53	55	56	55	57	59	53	66	63	60	57	51	50	56	75	78	75	79	62	52	50	53	51	60	58	56	57	....	57.3
Searchlight	Maximum..	87	91	91	92	96	96	95	97	100	103	108	105	105	100	91	91	97	96	91	95	98	95	94	96	101	107	108	106	102	100	....	97.8
	Minimum ..	59	65	64	62	68	70	67	71	73	74	77	85	77	78	69	65	70	72	71	72	72	72	69	66	73	79	85	78	77	78	....	71.9
Sulphur	Maximum..	76	82	87	88	90	90	91	96	96	98	100	102	100	99	97	95	90	93	95	95	92	92	88	90	91	94	96	97	94	94	....	92.9
	Minimum .	31	33	35	38	42	45	48	50	53	60	63	64	65	54	52	61	51	56	59	69	66	61	56	55	53	52	51	52	51	45	...	52.[illegible]
Tonopah	Maximum..	72	77	79	80	83	81	83	84	88	90	91	92	92	89	85	74	77	76	82	76	79	82	81	82	88	89	92	89	87	88	..	83.[illegible]
	Minimum ..	47	53	56	57	59	61	56	63	61	66	68	66	70	69	61	56	55	58	60	59	58	61	58	59	61	66	66	70	62	65	...	61.[illegible]

§§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Inches
0 to 2 inches
2 to 4 inches
4 to 6 inches
6 to 8 inches
Over 8 inches
NO RAIN
NO RAIN
0
0.5
1
2
4
6
8

UNIVERSITY OF ILLINOIS
URBANA

NE

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

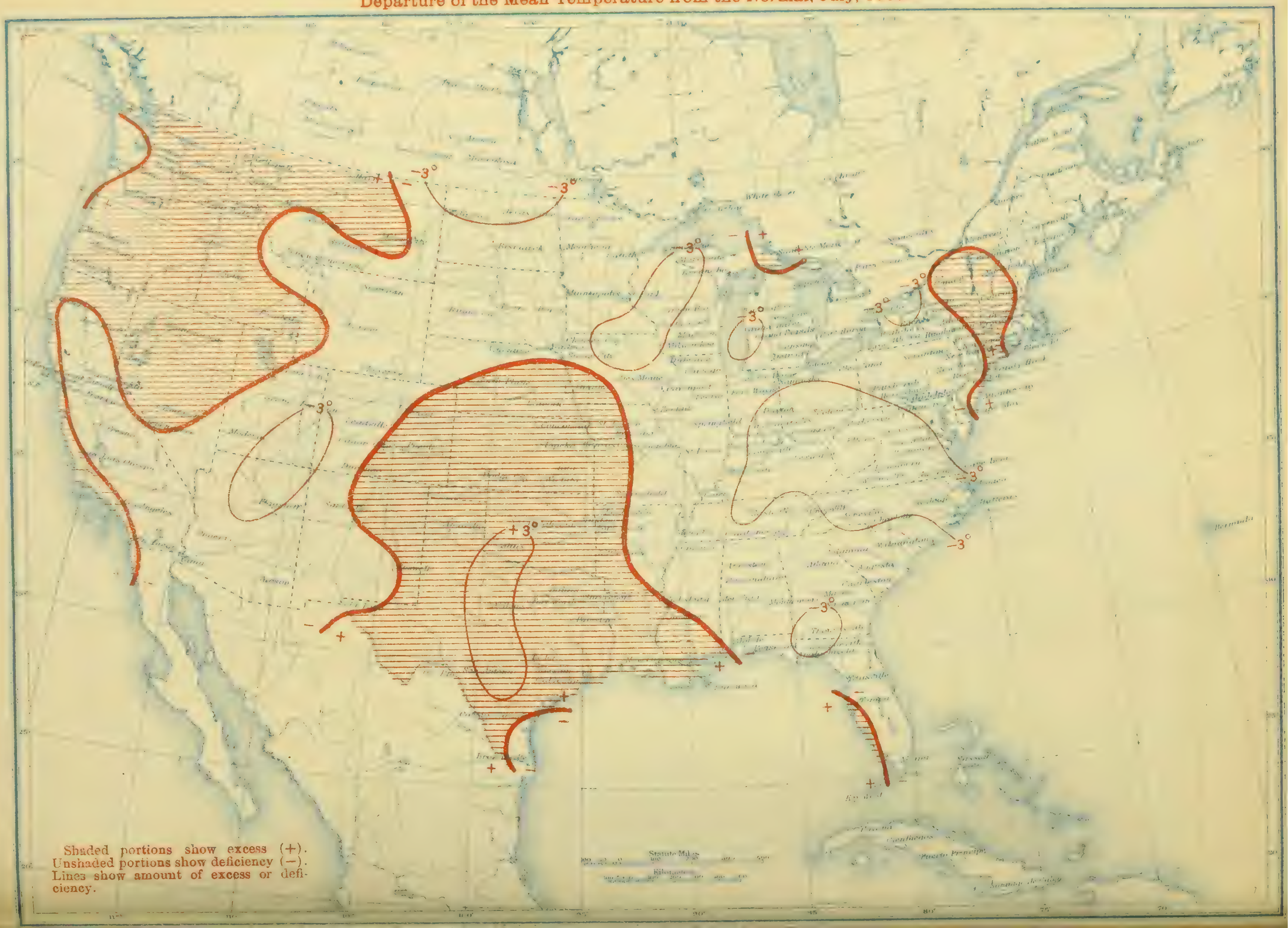
NEVADA SECTION

JULY, 1918

BY
HENRY F. ALPS
METEOROLOGIST

RENO, NEV.
WEATHER BUREAU OFFICE
AUGUST 21, 1918.

Departure of the Mean Temperature from the Normal, July, 1918.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALPS, Meteorologist.

Vol. XXXIII. Reno, Nevada, July, 1918. No. 7.

GENERAL SUMMARY.

The usual ideal July weather conditions prevailed, except that the wind movement was greater that normal. The days were moderately warm, the nights cool and there was an abundance of sunshine.

The excessively high temperatures of June gradually receded during the first week or ten days of July and normal temperatures, or slightly lower prevailed during the remainder of the month. Eight stations recorded temperatures of 100° or more, and 90° or higher was reached at all but three stations in the State. Freezing temperatures were recorded at four stations.

The rainfall was local in character, as is usual in July. In most sections it was very dry, although in portions of Clark, Nye, Lyon, Eureka, White Pine, and Elko Counties heavy amounts fell. Some localities reported the heaviest rainfall in many years.

Crops made normal development, except that a shortage of irrigation water at the close of the month, particularly in the lower Humboldt Valley, was detrimental to the growth of oats, barley, wild grass, and the second crop of alfalfa. In Clark County an excellent yield of winter wheat was harvested and thrashed, a fair crop of apples was gathered, and the yield of peaches and grapes was good. Berries were being picked at the close of the month, with prospects for a good yield. Gardens were yielding well in all parts of the State. Ranges were good in central counties, but drying rapidly in northern and western districts. Cattle and sheep were still reported in good condition, but not gaining.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 34 stations, was 72.9°. The mean for the 22 stations having ten or more years' record was 0.5.° below normal. The highest recorded was 112°, at Logandale on the 29th; the lowest was 21°, at Tecoma on the 5th. The greatest daily range was 67°, at Tecoma on the 5th. The highest monthly mean was 83.2°, at Logandale; the lowest was 57.8°, at Marlette Lake.

PRECIPITATION.

The average for 47 stations reporting was 0.33 inch. For the 27 stations having ten or more years' record, the mean was 0.10 inch below the normal. The average amount at 2 stations in the Columbia Basin was 0.51 inch; at 15 stations in the Humboldt Basin, 0.29 inch; at 4 stations in the Truckee Basin, a trace; at 4 stations in the Carson Basin, 0.28 inch; at 4 stations in the Walker Basin, 0.66 inch; at 2 stations in the Colorado Basin, 0.61 inch; at 16 stations in the minor basins, 0.32 inch. The greatest monthly fall was 2.50 inches, at Smith. There was none at 12 stations. The average number of days with precipitation was 2.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric pressure (sea level).			Mean relative humidity		Wind.			
	Mean	Highest	Lowest	5 a. m.	5 p. m.	Average hourly velocity	Max. velocity		
							Miles per hour.	Direction	Date
Reno	29.87	30.09	29.73	52	18	8.1	35	w.	22
Winnemucca	29.90	30.09	29.60	46	19	6.1	33	nw.	24
Tonopah	29.88	30.08	29.64	39	22	9.2	28	nw.	2

SUNSHINE AND CLOUDINESS.

At Reno, 91 per cent of the possible sunshine was recorded; at Winnemucca, 89 per cent; at Tonopah, 85 per cent. For the State, the average number of clear days was 21; partly cloudy, 7; cloudy, 3.

MISCELLANEOUS PHENOMENA.

(Dates of.)

Brisk winds.—2, 13, 14, 18, 19, 22, 23, 26, 30, 31.
Thunderstorms.—1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 15, 19, 31.
Killing frosts.—23, 24.
Hail.—10.

COMPARATIVE DATA FOR JULY.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	76.1	119	36	0.17	....	1	29	1	1	s.
1890	74.0	118	28	0.15	0	1	22	7	2	sw.
1891	70.4	102	26	0.53	0	3	17	8	6	s.
1892	70.6	115	30	0.67	0	1	23	5	3	w.
1893	70.3	110	24	0.10	0	2	26	4	1	sw.
1894	71.7	108	32	0.75	0	5	17	9	5	s.
1895	70.2	112	28	0.05	0	1	25	4	2	w.
1896	72.7	112	33	0.79	0	2	14	9	8	w.
1897	69.4	116	25	0.28	0	1	20	7	4	sw.
1898	73.5	114	30	0.12	0	1	23	6	2	w.
1899	72.6	106	34	0.14	0	2	22	5	4	w.
1900	70.9	113	33	0.37	0	1	23	4	4	w.
1901	70.8	109	31	0.31	0	2	21	6	4	sw.
1902	67.9	116	25	0.44	0.5	2	21	5	5	sw.
1903	65.4	111	26	0.01	0	1	27	3	1	sw.
1904	68.7	110	30	0.51	0	3	19	8	4	sw.
1905	72.1	109	31	0.03	0	1	24	5	2	sw.
1906	74.7	114	32	0.68	0	4	17	9	5	w.
1907	69.2	113	27	0.06	0	1	22	6	3	s.
1908	74.3	116	32	0.42	0	3	18	10	3	w.
1909	69.5	112	23	0.14	0	2	23	6	2	s.
1910	72.9	110	28	0.65	0	3	18	8	5	w.
1911	70.9	109	30	0.31	0	3	17	10	4	w.
1912	68.6	113	25	0.67	0	4	17	7	7	w.
1913	69.1	113	18	1.30	0	6	16	9	6	w.
1914	72.4	118	32	0.52	0	3	16	10	5	w.
1915	70.8	110	31	0.38	0	2	19	8	4	w.
1916	71.0	113	30	0.31	0	2	25	4	2	sw.
1917	74.5	111	31	0.46	0	2	21	7	3	sw.
1918	72.9	112	21	0.33	0	2	21	7	3	sw.
Entire period	71.3	119	18	0.40	T.	2	21	7	3	w.

CORRECTIONS.

June, 1918.—Page 43, Comparative Data, lowest temperature for June, 1918, should be 21° on the 1st. Page 44, "For the State," lowest temperature should be 21° on the 1st. Page 46, Winnemucca, maximum and minimum temperature on the 26th should be 90° and 54°, respectively; the mean maximum and minimum should be 88.8° and 52.4°, respectively.

Climatological data for July, 1918.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days.				Prevailing direction of the wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	5								5										U. S. Forest Service.
Mahoney Ran. Sta.**	do	6,200	3								3	0.54	....	0.34	0	2	23	4	4	n.	Do.
Owyhee	do	5,400	7								7										E. A. Schwab.
San Jacinto	do	5,200	13	65.7	+0.3	93	†18	37	4	54	13	0.48	−0.01	0.24	0	3	17	10	4	n.	Utah Construction Co.
Humboldt Basin.																					
Arthur	Elko	6,500									8	0.29	−0.50	0.29	0	1	29	2	0	......	Isaac Woodhouse.
Austin	Lander	6,594	29	72.5	+3.7	94	†9	42ᵃ	25	41	29	0.00	−0.45	0.00	0	0	26	0	5	......	Forest Service.
Battle Mountain	do	4,513	47	73.4	−1.5	101	†2	40	31	60	49	T.	−0.18	T.	0	0	25	0	6	e.	Southern Pacific Co.
Beowawe	Eureka	4,695	47								49										Do.
Clover Valley**	Elko	6,000	17	68.0	+1.5	92	†11	30	3	57	25	0.52	+0.08	0.24	0	4	21	5	5	......	J. D. Weeks.
Elko	do	5,063	47	71.2	+1.0	100	†29	41	1	57	48	0.10	−0.48	0.10	0	1	17	8	6	sw.	Western Pacific Co.
Eureka	Eureka	6,837	20	69.0	−1.7	94	29	38	25	43	22	0.66	−0.22	0.45	0	6	10	15	6	s.	Clay Simms.
Golconda	Humboldt	4,392	39	72.2	+2.3	97	17	42	24	48	41	T.	−0.20	T.	0	0	16	15	0	sw.	Southern Pacific Co.
Hylton **	Elko	7,081									8	1.11	....	0.34	0	5	25	6	0	sw.	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	5	72.4	−3.4	95	†2	43	24	49	5	T.	−0.16	T.	0	0	18	13	0	sw.	Southern Pacific Co.
Lamoille	Elko	6,100	3	67.3	......	94	29	42	25	43	3	0.59	+0.07	0.21	0	4	21	4	6	se.	Elko-Lamoille Power Co.
Lovelock	Humboldt	3,977	24								22										John R. Montgomery.
Metropolis §	Elko	5,661	5	67.7	......	95	30	38	25	47	9	0.11	−0.14	0.11	0	1	17	10	4	......	L. F. Hatch.
North Fork	do	6,500									9	T.	....	T.	0	0	17	12	2	w.	Roy C. Pratt.
Paradise Valley	Humboldt	4,500	5								9										F. C. Buckingham.
Potts	Nye	6,002	25	66.2	−3.4	91	†3	38	21	49	27	T.	−0.65	T.	0	0	11	19	1	s.	Miss Irene Potts.
Tecoma	Elko	4,812	40	73.8	+1.5	101	30	21	5	67	42	0.75	+0.56	0.35	0	3	12	18	1	e.	Southern Pacific Co.
Winnemucca	Humboldt	4,344	41	70.4	−1.2	96	7	39	25	50	49	0.27	+0.10	0.16	0	5	19	7	5	sw.	U. S. Weather Bureau.
Truckee Basin.																					
Franktown	Washoe	5,054	2								2										Agent V. & T. Ry.
Marlette Lake**	do	7,900	3	57.8ᵃ	......	75ᵇ	†29	36	24	29	5	0.00	....	0.00	0	0	27ᵇ	3ᵇ	0ᵇ	sw.	V. & G. H. Water Co.
Reno	do	4,532	31	68.9	+2.3	94	7	45	24	43	31	T.	−0.14	T.	0	0	24	6	1	w.	U. S. Weather Bureau.
Bijou, Cal.		6,230	3								9										Chas. Young.
McKinney, Cal.**		6,225									9	T.	....	T.	0	0	29	1	1	w.	Henry Soll.
Tahoe, Cal.		6,230	10	59.8	......	85	1	34	24	48	10	T.	....	T.	0	0	22	8	1	w.	Mrs. Emma C. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	24	73.3	−0.2	98	†1	45	25	46	24	0.44	+0.26	0.32	0	2	21	5	5	nw.	U.S. Experiment Station.
Gardnerville	Douglas	4,830	27	65.5	−2.1	88	29	37	24	42	28	0.00	−0.33	0.00	0	0	29	2	0	w.	Forest Service.
Lahontan **	Churchill	4,200	6	74.8	......	95	29	51	25	38	8	T.	....	T.	0	0	17	8	0	nw.	U.S. Reclamat'n Service.
Markleeville, Cal.		5,525									9	0.69	....	0.69	0	1	23	8	0	s.	Mrs. Mary Thornburg.
Woodfords, Cal. **		5,634									9										Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	11	72.8	−4.8	101	30	32	13	61	22	0.14	−0.17	0.14	0	1	16	7	8	......	Southern Pacific Co.
Smith	Lyon	4,800									10	2.50	....	2.50	0	1	18	8	5	s.	C. M. Carter.
Thorne §	Mineral	4,200	5								5										Southern Pacific Co.
Yerington §	Lyon	4,375	9	72.4	+0.9	99	29	41	25	48	9	0.00	−0.14	0.00	0	0	16	14	1	w.	W. H. Churchyard.
Shields Ranch, Cal. **		5,300									9	0.00	....	0.00	0	0	29	2	0	s.	Bruce H. Chichester.
Colorado Basin																					
Indian Springs §**	Clark	3,136	5								5										Ira MacFarland.
Las Vegas	do	2,033	16	81.8	+0.1	109	30	55	†14	48	16	0.82	+0.45	0.64	0	4	18	2	11	s.	C. P. Squires.
Logandale §	do	1,355	11	83.2	−3.9	112	29	53	†25	55	19	0.41	+0.13	0.17	0	4	18	8	5	......	Bert Mills.
Pioche	Lincoln	6,100	20								20										John Robinson.
Minor Basins.																					
Beatty	Nye	3,309	2	78.8	......	106	30	50	†26	50	2	0.10	....	0.10	0	1	23	5	3	s.	E. E. Palmer.
Duck Flat **	Washoe	4,725									4	0.00	....	0.00	0	0	31	0	0	w.	C. T. Smith.
Francis (near)	do	5,350									4	0.00	....	0.00	0	0	29	0	2	sw.	Geo. W. Barnard.
Gerlach	do	3,931	6	72.1	......	97	†2	36	2	61	6	0.00	....	0.00	0	0	22	0	9	sw.	Western Pacific Co.
Goldfield	Esmeralda	5,700	11	71.8	−1.4	94	†29	49	25	39	13	0.96	+0.20	0.70	0	3	24	5	2	se.	R. W. Robinson.
Jungo	Humboldt	4,165									5	0.00	....	0.00	0	0	29	2	0	......	Western Pacific Co.
McDermitt	do	4,700	7	64.8	−8.9	94	†1	31	25	52	31	0.00	−0.30	0.00	0	0	24	4	3	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	8	70.1	+1.9	95	†29	46	†2	42	8	0.95	+0.33	0.30	0	6	11	15	5	n.	R. E. Middagh.
Millett	Nye	5,040	10	67.5	−0.7	91	†6	40	25	49	11	0.41	−0.29	0.22	0	4	13	10	8	s.	Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	6	74.3	+5.9	99	29	49	28	46	6	T.	−0.46	T.	0	0	22	6	3	s.	Arthur L. Stewart.
Pahrump	Nye	2,608	5								5										F. M. Buol.
Quinn Riv. Ranch **	Humboldt	4,850	16	68.6ᵈ	−0.2	97ᵍ	17	31	25	59	17	T.	−0.18	T.	0	0	23	4	4	s.	F. M. Payne.
Rebel Creek	do	4,300	6								7										Fred Whitaker.
Sand Pass **	Washoe	4,198	5	74.8	......	96	†1	50	20	39	5	T.	....	T.	0	0	26	2	3	w.	R. R. Mott.
Searchlight	Clark	3,445	5	81.0	......	102	29	60	13	32	5	2.03	....	0.58	0	9	15	6	10	s.	C. L. Aug. Mahn.
Sulphur	Humboldt	4,044	5	72.2	......	97	†1	42	24	48	5	T.	....	T.	0	0	19	8	4	sw.	Western Pacific Co.
Tonopah	Nye	6,090	13	70.9	......	89	29	48	24	27	13	0.73	....	0.46	0	3	20	9	2	se.	U. S. Weather Bureau.
Vya	Washoe	5,500									5	0.00	....	0.00	0	0	29	1	1	sw.	L. A. Mariette.
For the State				72.9	−0.5	112	29	21	5	67	....	0.33	−0.10	2.50	0	2	21	7	3	sw.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Mahoney Ranger Station, Jarbridge; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of McKinney, Hellman's, Lake Tahoe, Cal.; of Lahontan, Hazen; of Woodfords, Cal., Sheridan, Nev.; of Shields Ranch, Coleville, Cal.; of Duck Flat, Sunkist; of Oasis Ranch, Oasis, Cal.; of Quinn River Ranch, Amos; of Sand Pass, Flannigan.

Reference letters, ᵃ, ᵇ, ᶜ, appearing in the table indicate number of days missing, for example, ᵇ represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for July, 1918.

Stations.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Columbia Basin.																																
Gold Creek (near)																																
Mahoney Ranger Station ||||								.34		.20									T													0.54
Owyhee																																
San Jacinto								T	.13	T	.24				.11									T								0.48
Humboldt Basin.																																
Arthur																																
Austin											.29																					0.29
Battle Mountain																																0.00
Beowawe																															T	T
Clover Valley																																
Elko								.04	.24	T.		.15	.09	T										T								0.52
Eureka								T.	.10																						T	0.10
Golconda		.02		.01				.45	.08		T.		T.	T.					.02	T.											.08	0.66
Hylton								T.																								T
Imlay								.23	.10	T.			.17	.27																	.34	1.11
Lamoille ||||								T.	T.																							T
Lovelock									.18	.05	.21			T.	T.																.15	0.59
Metropolis ||																																
North Fork			T.					T.	.11			T	T.										T.	T								0.11
Paradise Valley																															T	T
Potts																															T	T
Tecoma					.35				.22				.18																			0.75
Winnemucca***								.03	.13					.07	.01									T							.03	0.27
Truckee Basin.																																
Franktown																																
Marlette Lake ||||																																0.00
Reno ***																														T		T
Bijou, Cal																																
McKinney, Cal																														T		T
Tahoe, Cal. ||||																															T	T
Carson Basin.																																
Fallon |||								T.	.12						.32																	0.44
Gardnerville																																0.00
Lahontan			T.						T.																					T	T	T
Markleeville, Cal	.69																															0.69
Woodfords, Cal																																
Walker Basin.																																
Mina								.14																								0.14
Smith		2.50																														2.50
Thorne																																
Yerington																																0.00
Shields Ranch, Cal																																0.00
Colorado Basin.																																
Indian Springs ||||																																
Las Vegas				T.	T.			.01	.01	T.	T	T	.16					T.													.64	0.82
Logandale								T.	.10	.02	T.	T.		.17																.12		0.41
Pioche																																
Minor Basins.																																
Beatty																																
Duck Flat													.10																			0.10
Francis (near)																																0.00
Gerlach																																0.00
Goldfield																																0.00
Jungo		.02	.24	T.				.70																								0.96
McDermitt																																0.00
McGill																																0.00
Millett		.25		.06				.05	.30			.03	.26						T.											T	T.	0.95
Oasis Ranch		T.	.04					T.	.05			T.	.22																		.10	0.41
Pahrump							T.																								T.	T.
Quinn River Ranch																								T.								T
Rebel Creek																																
Sand Pass																														T.		T.
Searchlight	.02	.20		.22	.54				.08	.58		.26	.05						.08												T	2.03
Sulphur														T.																		T.
Tonopah***	T.	T.					T.	.46					.23						T.												.04	0.73
Vya ||||																																0.00

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.
|||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

Daily evaporation (inches) and wind movement (miles) for July, 1918.

(See temperature and precipitation data in climatological tables, pages 52 to 54.)

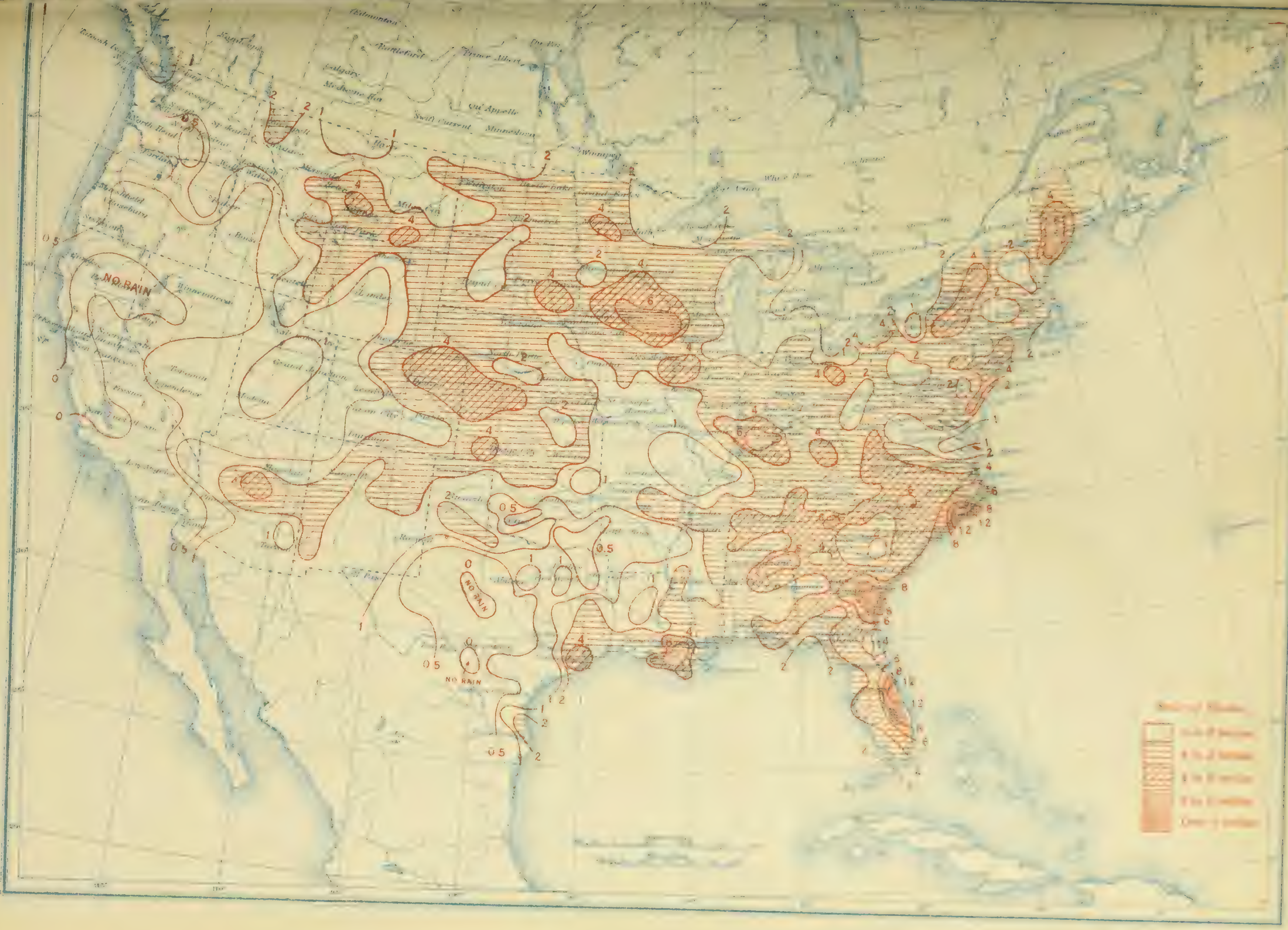
Stations.	Data.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Monthly.
Indian Springs*	Evaporation																																
	Wind movement																																
Lamoille*	Evaporation	.409	.251	.286	.305	.314	.378	.316	.343				.377	.215	.161	.087	.249	.428	.286	.405	.247	.419	.286	.341	.320	.186	.385	.254	.210	.383	.410	.521	9.713
	Wind movement	63	65	66	50	70	78	80	57	35	69	77	82	61	49	40	64	73	61	47	79	49	40	40	65	46	66	57	43	70	88	107	1,937
Marlette Lake*	Evaporation	.319	‡	.645	.356	.340	.728	.000	.324	.324	.346	.278	.311	.319	.312	.293	.316	.302	.284	.314	.329	.357	.329	.323	.283	‡	.529	.316	.317	.319	.336	.181	9.730
	Wind movement	52	‡	134	101	47	72	68	48	73	38	102	60	56	70	64	62	57	51	64	67	86	70	88	92	‡	149	77	55	52	50	31	2,036
Tahoe, Cal. **	Evaporation	.240	.235	.205	.220	.225	.240	.145	.115	.145	.150	.155	.145	.175	.165	.145	.240	.190	.205	.225	.215	.225	.190	.200	.185	.225	.255	.225	.180	.130	.165	.160	5.920
	Wind movement	84	104	107	97	77	92	63	58	76	95	89	117	111	97	101	83	84	88	72	74	72	112	121	117	102	77	71	88	58	79	84	2,750

* Observations taken at 7 a. m.; ** at 8 a. m. ‡ Included in next following entry.

Daily temperatures for July, 1918.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek (near)	Maximum..																																
	Minimum..																																
Owyhee.	Maximum..																																
	Minimum..																																
San Jacinto	Maximum..	90	87	80	85	81	85	92	83	84	82	80	84	72	82	85	88	91	93	88	83	82	90	84	70	75	82	78	87	93	93	83	84.3
	Minimum..	42	63	57	37	53	44	38	53	48	48	55	46	51	51	49	51	50	57	65	50	40	40	39	43	41	38	40	39	42	43	48	47.1
Humboldt Basin.																																	
Austin	Maximum..	80	81	85	87	90	90	90	93	94	87	89	85	88	90	90	83	83	86	87	86	87	88	90	85	83	88	89	90	93	94	70	87.1
	Minimum..	55	50	55	60	55	53	50	56	60	70	68	63	68	52	54	72	60	60	57	60	76	60	50	45	42	51	....	55	60	61	61	58.0
Battle Mountain	Maximum..	100	101	101	100	100	100	100	100	100	98	98	98	99	99	98	98	99	99	98	100	100	97	97	99	99	97	99	100	100	99	100	99.1
	Minimum..	47	48	48	48	49	49	49	47	48	49	50	50	51	50	49	49	50	50	49	48	49	46	46	48	47	50	48	45	42	42	40	47.8
Elko	Maximum..	96	97	96	95	95	95	98	93	83	93	89	89	89	89	89	92	92	95	95	95	95	94	92	87	86	90	90	98	100	100	93	92.9
	Minimum..	41	52	50	49	47	49	41	52	53	50	50	53	58	53	46	48	49	52	55	54	50	43	50	53	40	46	49	47	54	47	55	49.5
Eureka	Maximum..	86	83	85	88	89	91	92	90	78	83	83	84	73	75	82	85	86	89	84	87	88	89	86	76	81	88	89	90	94	94	85	85.6
	Minimum..	54	56	48	48	60	51	51	52	51	57	56	57	57	49	47	54	53	55	55	53	47	55	52	41	38	47	47	52	56	66	60	52.4
Imlay	Maximum..	94	95	91	92	90	92	90	94	95	97	95	89	90	85	84	91	95	94	90	88	89	91	88	78	82	88	81	94	94	91	92	90.3
	Minimum..	50	55	58	60	65	56	53	51	49	48	49	57	65	62	56	60	62	65	58	56	52	53	49	43	53	50	54	53	55	48	45	54.5
Lamoille	Maximum..	86	85	77	84	85	85	89	70	74	75	80	82	77	78	82	83	86	88	76	87	82	88	80	72	74	85	86	89	94	93	76	82.5
	Minimum..	47	56	54	44	50	55	55	56	52	52	50	51	53	50	47	56	56	57	63	55	52	50	50	46	42	54	43	50	56	57	57	52.1
Lovelock	Maximum..																																
	Minimum..																																
Metropolis	Maximum..	91	90	86	88	89	88	90	89	86	85	84	87	85	82	83	88	89	91	87	89	90	87	85	80	75	86	85	93	94	95	88	87.3
	Minimum..	48	50	58	50	51	52	54	53	54	44	48	50	45	43	45	46	48	51	50	49	50	45	41	46	38	40	41	46	48	49	59	48.1
Paradise Valley	Maximum..																																
	Minimum..																																
Potts	Maximum..	89	90	91	89	87	87	89	86	85	89	87	87	88	89	86	88	87	88	88	89	87	88	89	89	91	90	91	91	90	89	85	88.4
	Minimum..	44	44	46	44	45	44	44	43	41	46	45	46	46	46	44	43	41	41	44	40	38	44	44	45	47	47	46	45	45	43	40	43.9
Tecoma	Maximum..	97	99	96	98	97	100	99	92	96	94	90	92	90	90	96	98	97	100	99	100	101	100	98	95	90	92	93	98	99	98	99	96.2
	Minimum..	48	54	45	47	30	48	52	46	45	47	51	50	48	44	53	55	56	58	54	57	60	59	57	48	44	50	54	57	54	55	67	51.4
Winnemucca	Maximum..	96	91	85	91	90	89	96	80	86	85	90	88	88	82	89	93	94	92	89	87	87	89	79	73	79	86	85	94	96	94	88	88.1
	Minimum..	49	60	58	52	60	47	46	62	60	52	45	52	48	62	51	50	51	57	62	51	56	51	58	46	39	46	52	54	47	54	60	52.8
Truckee Basin.																																	
Marlette Lake	Maximum..	....	73	68	71	70	70	74	73	64	64	68	68	65	67	67	69	71	72	67	68	68	63	56	...	66	66	72	75	75	70	71	68.7
	Minimum..	50	...	50	48	51	47	45	50	51	41	43	42	47	48	48	47	47	49	46	47	47	48	43	36	....	45	45	49	47	51	51	46.9
Reno	Maximum..	91	85	85	90	86	89	94	92	81	85	89	88	86	84	86	91	89	88	86	88	87	82	74	77	82	84	90	94	93	85	90	86.8
	Minimum..	57	62	58	50	54	46	51	63	59	46	50	48	52	54	55	51	54	54	51	49	50	51	54	45	46	50	48	55	56	63	58	52.9
Tahoe, Cal	Maximum..	84	79	78	82	79	84	85	83	75	75	79	80	77	77	78	80	80	79	79	80	77	73	68	70	75	77	81	84	82	79	85	78.8
	Minimum..	44	47	45	39	42	36	37	45	48	34	39	36	40	41	40	41	42	42	40	40	40	40	49	34	36	37	39	43	41	43	47	40.9
Carson Basin.																																	
Fallon ☞	Maximum..	98	94	93	95	96	95	96	92	90	87	94	91	92	90	92	94	95	97	93	92	91	91	84	80	84	93	91	96	98	97	94	92.4
	Minimum..	58	64	56	51	55	49	53	67	60	46	54	52	53	61	55	53	54	56	56	51	55	51	54	47	45	50	53	52	55	55	60	54.2
Gardnerville	Maximum..	86	84	84	85	85	86	87	86	83	79	81	82	82	82	83	83	83	84	84	84	83	82	81	78	77	83	81	84	88	87	85	83.4
	Minimum..	51	52	51	43	47	44	45	56	55	39	43	42	48	49	49	47	48	54	45	44	44	45	59	37	41	42	43	49	48	63	54	47.6
Lahontan	Maximum..	93	89	90	....	91	92	94	87	88	85	89	88	89	....	....	90	90	92	....	....	91	89	85	78	82	90	....	92	95	93	90	89.3
	Minimum..	65	65	60	....	57	54	59	68	60	53	64	59	66	...	...	58	65	61	....	....	60	65	57	53	51	57	....	55	65	67	62	60.2
Walker Basin.																																	
Mina	Maximum..	96	91	94	97	96	97	98	98	98	90	98	91	93	89	93	94	95	94	96	93	95	96	97	93	90	93	94	96	100	101	93	94.8
	Minimum..	62	60	62	51	53	59	61	59	58	52	41	38	32	37	48	58	53	47	52	49	51	52	54	52	50	51	50	47	50	47	42	50.9
Thorne	Maximum..																																
	Minimum..																																
Yerington	Maximum..	96	91	94	95	95	96	96	93	90	88	93	91	91	91	92	93	93	95	95	92	90	90	90	81	85	96	91	96	99	94	92	92.4
	Minimum..	55	58	56	52	50	48	48	65	61	45	46	67	51	61	59	49	51	52	48	46	67	50	46	39	41	47	45	52	54	59	61	52.5
Colorado Basin.																																	
Indian Springs	Maximum..																																
	Minimum..																																
Las Vegas	Maximum..	102	103	104	103	105	106	99	97	90	94	94	95	82	95	99	101	103	87	102	104	104	102	102	95	97	101	104	105	107	109	104	99.8
	Minimum..	72	70	72	72	67	68	67	67	71	65	64	65	62	55	55	57	62	63	62	62	61	62	62	68	59	53	57	57	62	68	69	63.7
Logandale	Maximum..	106	104	105	107	106	106	108	105	100	86	97	100	84	84	97	102	103	105	92	104	109	106	104	104	106	103	105	109	112	106	105	102.1
	Minimum..	68	67	69	70	69	67	66	66	67	72	69	66	71	69	59	56	57	61	63	66	66	67	61	58	53	53	54	54	65	76	72	64.4
Pioche	Maximum..																																
	Minimum..																																
Minor Basins.																																	
Beatty	Maximum..	95	98	98	105	104	103	100	98	94	96	95	89	86	92	99	98	97	99	101	105	100	100	98	94	92	98	98	99	105	106	99	99.0
	Minimum..	61	59	67	63	63	58	60	70	61	57	55	57	58	55	57	53	53	57	61	55	53	52	57	53	56	50	50	56	56	78	69	58.4
Gerlach	Maximum..	96	97	92	94	92	90	96	96	89	88	92	93	93	92	94	93	94	93	92	90	90	88	85	87	86	88	89	94	96	97	96	92.0
	Minimum..	48	36	45	54	54	52	49	57	54	51	57	53	49	55	42	50	55	50	50	57	52	59	49	53	50	54	60	57	54	58	54	52.2
Goldfield	Maximum..	91	87	89	91	92	93	89	86	81	85	85	83	73	81	84	85	85	86	91	92	90	93	87	79	79	89	88	91	94	94	88	87.1
	Minimum..	57	56	61	57	57	58	61	51	51	56	56	58	55	55	54	54	57	56	62	57	56	55	56	54	49	54	53	52	57	65	66	56.4
McDermitt	Maximum..	94	90	80	87	87	88	94	84	84	83	86	86	89	81	88	90	93	90	85	84	85	86	76	69	77	82	83	91	94	88	88	85.9
	Minimum..	49	52	46	37	43	36	49	52	48	36	48	41	39	39	42	42	46	52	40	55	46	42	42	35	31	38	37	47	49	46	50	43.7
McGill	Maximum..	67	67	85	79	70	92	94	86	74	81	84	83	74	75	84	87	89	94	87	90	89	90	89	85	82	85	89	92	95	95	93	84.7
	Minimum..	55	46	59	54	57	52	52	63	52	54	55	57	52	49	48	55	54	62	61	60	55	58	57	55	46	57	59	53	57	61	66	55.5
Millett	Maximum..	84	84	86	90	90	91	89	82	81	81	84	82	75	80	84	85	86	87	90	90	88	88	85	75	81	88	87	87	91	91	83	85.3
	Minimum..	43	59	55	53	61	53	50	62	54	52	46	53	53	50	46	44	46	56	49	49	45	45	47	47	40	41	47	41	42	53	60	49.7
Oasis Ranch	Maximum..	91	92	89	96	98	91	92	94	92	96	93	88	79	88	92	91	93	97	95	98	94	95	87	82	94	95	94	95	99	97	87	92.4
	Minimum..	56	59	62	58	65	58	63	57	53	58	54	55	58	55	56	54	58	54	56	57	56	52	47	51	53	54	53	49	61	65	54	56.2
Rebel Creek	Maximum..																																
	Minimum..																																
Sand Pass	Maximum..	96	90	88	93	90	91	96	95	87	86	89	89	90	89	90	91	92	90	89	89	88	85	82	75	83	86	89	95	95	90	94	89.4
	Minimum..	65	62	59	56	52	52	84	64	63	57	53	52	54	58	76	56	81	59	72	50	78	56	54	47	45	54	55	57	59	65	62	60.0
Searchlight	Maximum..	94	95	99	100	96	100	94	91	82	90	91	78	85	89	91	94	96	88	99	98	95	95	95	90	92	93	95	97	102	100	97	93.6
	Minimum..	73	76	70	68	67	72	75	68	65	62	67	63	60	61	65	68	70	75	70	70	70	68	68	65	64	67	67	65	73	75	75	68.5
Sulphur	Maximum..	97	96	92	92	92	91	97	97	91	87	91	91	91	91	91	94	94	94	93	89	89	90	78	77	81	88	87	95	97	95	92	91.0
	Minimum..	49	52	54	53	54	50	49	61	65	51	48	51	55	58	55	55	54	58	57	49	52	58	54	42	43	47	49	52	56	62	61	53.4
Tonopah	Maximum..	82	85	84	87	86	88	85	80	77	78	79	79	69	75	79	80	82	83	87	86	86	84	83	70	78	84	83	86	89	89	82	82.0
	Minimum..	62	61	63	62	63	62	66	54	56	54	56	60	52	52	60	61	62	64	61	63	63	64	56	48	51	58	59	62	64	71	62	59.7

☞ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Edmonton
Battleford
Prince Albert
Calgary
Medicine Hat
Qu'Appelle
Swift Current
Minnedosa
Winnipeg
NO RAIN
NO RAIN
NO RAIN

UNIVERSITY OF ILLINOIS
URBANA

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

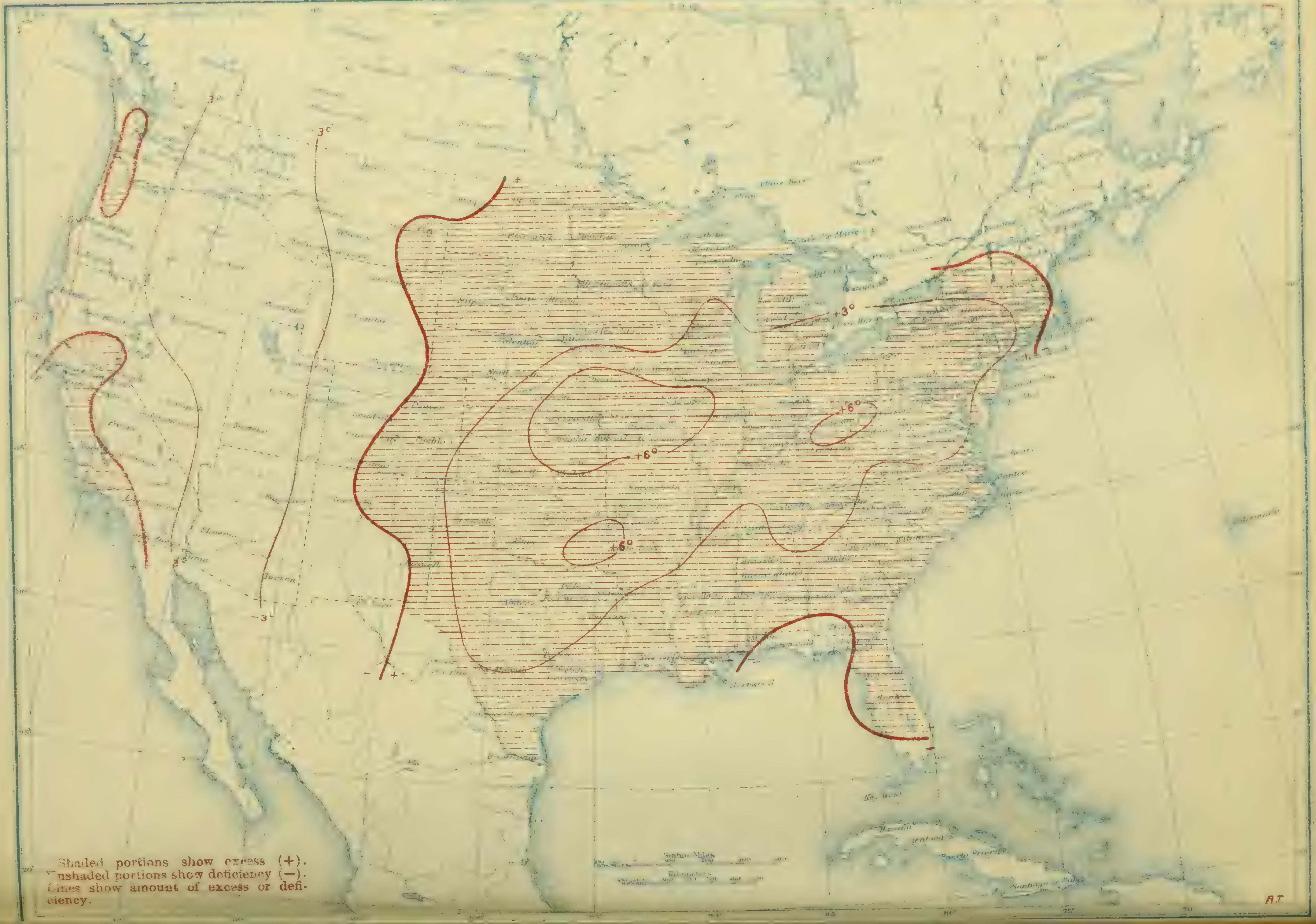
NEVADA SECTION

AUGUST, 1918

BY
HENRY F. ALPS
METEOROLOGIST

RENO, NEV.
WEATHER BUREAU OFFICE
SEPTEMBER 26, 1918.

Departure of the Mean Temperature from the Normal, August, 1918



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALPS, Meteorologist.

Vol. XXXIII. Reno, Nevada, August, 1918. No. 8.

GENERAL SUMMARY.

August was cool and dry, with about the normal amount of sunshine and wind movement. A warm spell occurred during the last week or ten days of the month, especially in the north and west portions. A cool period was general from about the 15th to the 22d. There were only three stations at which the maximum temperature did not reach 90°, or more, and 5 stations recorded 100° or higher. The temperature fell to freezing or a few degrees lower at 9 stations.

The rainfall for the State averaged a little more than one-half of the normal amount. There was practically no precipitation in the western one-third of Nevada and generally very little, or only light amounts, in the central and north portions. Good showers fell in Clark, Lincoln, and portions of Nye County, and in the northwest portion of Elko County.

The harvesting of wheat, barley and oats progressed rapidly and thrashing was started at the close of the month. The yields were only fair due to the water shortage for irrigation in many localities. The crop of wild hay and the second cutting of alfalfa were generally light because of the scarcity of water. The quality of the hay was good. Heavy yields of grain and alfalfa were harvested in Clark and Churchill Counties. Ranges were good in the south portion of the State but only fair in the north and west portions. Stock were in good condition but did not gain in weight.

A few forest fires occurred in the Sierra Nevada Mountains, especially during the last half of the month.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 36 stations, was 67.4°. The mean for the 27 stations having ten or more years' record was 3.2° below normal. The highest recorded was 112°, at Logandale on the 3d, and Las Vegas on the 25th; the lowest was 28°, at Owyhee on the 20th, and San Jacinto on the 22d. The greatest daily range was 64°, at Battle Mountain on the 29th and 30th. The highest monthly mean was 85.0°, at Las Vegas; the lowest was 55.7°, at Marlette Lake.

PRECIPITATION.

The average for 47 stations reporting was 0.23 inch. For the 29 stations having ten or more years' record, the mean was 0.18 inch below the normal. The average amount at 4 stations in the Columbia Basin was 0.64 inch; at 16 stations in the Humboldt Basin, 0.23 inch; at 4 stations in the Truckee Basin, 0.04 inch; at 3 stations in the Carson Basin, 0.01 inch; at 4 stations in the Walker Basin, 0.17 inch; at 2 stations in the Colorado Basin, 0.64 inch; at 14 stations in the minor basins, 0.17 inch. The greatest monthly fall was 1.40 inches, at Mahoney Ranger Station. There was none at 6 stations. The average number of days with precipitation was 1.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric pressure (sea level).			Mean relative humidity.		Wind.			
							Max. velocity.		
	Mean.	Highest.	Lowest.	8 a. m.	8 p. m.	Average hourly velocity.	Miles per hour.	Direction.	Date.
Reno	29.90	30.20	29.69	51	22	7.0	34	W.	15
Winnemucca	29.96	30.32	29.66	60	21	5.6	40	SW.	14
Tonopah	29.90	30.11	29.64	42	22	7.8	38	SE.	29

SUNSHINE AND CLOUDINESS.

At Reno, 89 per cent of the possible sunshine was recorded; at Winnemucca, 88 per cent; at Tonopah, 89 per cent. For the State, the average number of clear days was 22; partly cloudy, 6; cloudy, 3.

MISCELLANEOUS PHENOMENA.

(Dates of.)

Brisk winds.—1, 2, 3, 4, 6, 7, 8, 11, 14, 15, 16, 17, 18, 26, 27, 29, 31.

Thunderstorms.—1, 2, 4, 7, 8, 9, 10, 11, 12, 13, 14, 26, 27.

Hail.—13.

Light frost.—11, 20, 22.

Killing frost.—5, 15, 19, 21.

COMPARATIVE DATA FOR AUGUST.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	73.2	117	29	1.06	0	2	19	6	6	s.
1890	70.1	110	28	2.06	0	5	16	9	6	sw.
1891	72.0	101	25	0.44	0	2	21	6	4	s.
1892	71.2	105	20	0.01	0	0	21	9	1	w.
1893	71.1	104	25	0.26	0	2	16	7	8	sw.
1894	71.0	105	30	0.45	0	4	17	7	7	sw.
1895	70.6	112	24	0.15	T	1	19	8	4	sw.
1896	69.0	109	34	0.82	0	3	16	8	7	w.
1897	73.3	110	31	0.31	0	2	17	8	6	s.
1898	73.6	112	29	0.45	0	2	18	8	5	sw.
1899	63.7	99	20	0.82	T	3	19	5	7	w.
1900	66.6	110	30	0.04	0	0	22	6	3	sw.
1901	68.3	101	29	2.05	0	6	17	5	9	sw.
1902	68.9	117	30	0.22	0	2	21	5	5	sw.
1903	69.7	114	28	0.10	0	1	24	6	1	sw.
1904	68.6	105	22	1.81	0	7	12	8	11	sw.
1905	70.7	108	31	0.27	0	1	21	6	4	sw.
1906	70.2	111	26	0.80	0	3	17	8	6	w.
1907	67.7	109	22	0.31	0	2	20	7	4	s.
1908	69.7	108	18	0.36	0	2	17	8	6	w.
1909	70.9	112	25	0.48	0	2	21	7	3	sw.
1910	69.3	111	20	0.08	0	1	25	4	2	w.
1911	67.3	110	27	0.01	0	0	27	3	1	w.
1912	67.7	110	23	0.35	0	2	23	5	3	w.
1913	70.4	109	25	0.75	0	5	15	11	5	w.
1914	72.5	122	14	0.14	0	1	23	7	1	sw.
1915	73.3	112	32	0.08	0	1	25	5	1	s.
1916	67.7	112	21	0.25	0	1	23	5	3	sw.
1917	70.6	108	32	0.35	0	2	20	7	4	sw.
1918	67.4	112	28	0.23	0	1	22	6	3	w.
Entire period	69.9	122	14	0.52	T.	2	19	7	5	sw.

Climatological data for August, 1918.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days.				Prevailing direction of the wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.		
Owyhee Basin.																					
Gold Creek (near)	Elko	6,600	5	......	......	......	......	......	......	......	5	......	......	......	......	......	......	......	......	......	U. S. Forest Service.
Mahoney Ran. Sta.**	do	6,200	3	......	......	......	......	......	......	......	3	1.40	......	0.75	0	2	......	......	......	......	Do.
Owyhee	do	5,400	7	60.0^{n}	......	92^{n}	25	28^{n}	20	19^{n}	7	0.76	......	0.32	0	5	11^{n}	5^{n}	1^{n}	......	K. A. Schwab.
San Jacinto	do	5,200	13	59.8	−2.6	90	25	28	22	54	13	T.	−0.61	T.	0	0	20	11	0	nw.	Utah Construction Co.
Tuscarora (near)	do	......	......	......	......	......	......	......	......	......	10	0.40	......	0.25	0	3	20	5	6	w.	D. B. Williams.
Humboldt Basin.																					
Arthur	Elko	6,500	......	......	......	......	......	......	......	......	8	0.32	−0.12	0.32	0	1	28	3	0	......	Isaac Woodhouse.
Austin	Lander	6,594	29	64.5	−3.6	90	†6	37	21	45	29	0.14	−0.49	0.07	0	3	......	......	......	w.	Forest Service.
Battle Mountain	do	4,513	47	68.0	−5.4	98	†27	34	†29	64	49	0.02	−0.12	0.01	0	2	19	0	12	e.	Southern Pacific Co.
Beowawe	Eureka	4,695	47	......	......	......	......	......	......	......	49	......	......	......	......	......	......	......	......	......	Do.
Clover Valley**	Elko	6,000	17	62.9^{b}	−2.6	94^{c}	25	36^{b}	22	52^{b}	25	0.21	−0.39	0.11	0	2	25	5	1	......	J. D. Weeks.
Elko	do	5,063	47	64.7	−1.1	95	26	34	22	53	48	0.30	−0.20	0.20	0	2	22	9	0	sw.	Western Pacific Co.
Eureka	Eureka	6,837	20	65.6	−4.0	91	†4	33	21	48	22	0.73	+0.02	0.64	0	2	19	11	1	n.	Clay Simms.
Golconda	Humboldt	4,392	39	65.0	−6.2	91	†2	30	20	48	41	0.25	+0.16	0.25	0	1	15	16	0	w.	Southern Pacific Co.
Hylton**	Elko	7,081	......	......	......	......	......	......	......	......	8	0.00	......	0.00	0	0	31	0	0	......	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	5	66.5	−6.4	94	7	30	20	47	5	0.28	+0.14	0.28	0	1	24	7	0	w.	Southern Pacific Co.
Lamoille	Elko	6,100	3	63.6	......	89	25	38	21	45	3	0.19	−0.35	0.16	0	2	26	3	2	s.	Elko-Lamoille Power Co.
Lovelock	Humboldt	3,977	24	67.8^{k}	−6.3	95^{k}	†25	36^{k}	21	47^{k}	22	0.02	−0.02	0.02	0	1	17^{k}	3^{k}	0^{k}	n.	John R. Montgomery.
Metropolis §	Elko	5,661	5	62.0	......	90	25	32	22	50	9	0.10	−0.12	0.10	0	1	20	11	0	......	L. F. Hatch.
North Fork	do	6,500	......	......	......	......	......	......	......	......	9	0.68	......	0.54	0	3	14	10	7	s.	Roy C. Pratt.
Paradise Valley	Humboldt	4,500	5	......	......	......	......	......	......	......	9	......	......	......	......	......	......	......	......	......	F. C. Buckingham.
Potts	Nye	6,002	25	65.1	−2.7	91	25	34	21	51	27	0.01	−0.56	0.01	0	1	14	8	9	s.	Miss Irene Potts.
Tecoma	Elko	4,812	40	66.5	−4.3	99	†1	32	15	61	42	0.00	−0.23	0.00	0	0	18	13	0	w.	Southern Pacific Co.
Winnemucca	Humboldt	4,344	41	65.7	−5.1	94	25	33	21	51	49	0.37	+0.20	0.29	0	3	21	9	1	ne.	U. S. Weather Bureau.
Truckee Basin.																					
Franktown	Washoe	5,054	2	63.2	−4.7	91	†6	32	20	55	2	0.00	......	0.00	0	0	......	......	......	w.	Agent V. & T. Ry.
Marlette Lake**	do	7,900	3	55.7^{a}	......	77^{a}	†29	34^{a}	17	29^{b}	5	0.06	......	0.04	0	2	25^{a}	3^{a}	2^{a}	sw.	V. & G. H. Water Co.
Reno	do	4,532	31	67.7	+0.7	95	28	40	17	41	31	T.	−0.25	T.	0	0	23	7	1	w.	U. S. Weather Bureau.
Bijou, Cal.		6,230	3	......	......	......	......	......	......	......	9	......	......	......	......	......	......	......	......	......	Chas. Young.
McKinney, Cal.**		6,225	......	......	......	......	......	......	......	......	9	......	......	......	......	......	......	......	......	......	Henry Soll.
Tahoe, Cal.		6,230	10	58.4	......	85	†1	33	†5	45	10	0.12	......	0.11	0	2	20	4	7	w.	Mrs. Emma C. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	24	69.6	−2.4	97	†3	39	20	45	24	T.	−0.12	T.	0	0	20	8	3	n.	U.S. Experiment Station.
Gardnerville	Douglas	4,830	27	63.0	−4.6	88	†27	34	20	46	28	0.02	−0.31	0.02	0	1	27	4	0	w.	Forest Service.
Lahontan **††	Churchill	4,200	6	......	......	......	......	......	......	......	8	0.00	......	0.00	0	0	......	......	......	......	U.S. Reclamat'n Service
Markleeville, Cal.		5,525	......	......	......	......	......	......	......	......	9	T.	......	T.	0	0	22	4	5	s.	Mrs. Mary Thornburg.
Woodfords, Cal.**		5,634	......	......	......	......	......	......	......	......	9	......	......	......	......	......	......	......	......	......	Grant P. Merrill.
Walker Basin.																					
Mina §	Mineral	4,350	11	69.4	−6.6	100	3	39^{c}	3	61^{c}	22	0.27	−0.04	0.27	0	1	20	0	11	......	Southern Pacific Co.
Smith††	Lyon	4,800	......	......	......	......	......	......	......	......	10	T.	......	T.	0	0	17	12	2	sw.	C. M. Carter.
Thorne §	Mineral	4,200	5	69.8	−6.1	94	11	44	†8	44	5	T.	−0.28	T.	0	0	18	13	0	s.	Southern Pacific Co.
Yerington §	Lyon	4,375	9	71.4^{r}	+1.3	99^{k}	3	38^{p}	5	52^{p}	9	0.09	−0.11	0.09	0	1	12^{k}	8^{k}	0^{k}	nw.	W. H. Churchyard.
Shields Ranch, Cal.**		5,300	......	......	......	......	......	......	......	......	9	0.32	......	0.22	0	2	27	4	0	s.	Bruce H. Chichester.
Colorado Basin.																					
Indian Springs §**	Clark	3,136	5	......	......	......	......	......	......	......	5	......	......	......	......	......	......	......	......	......	Ira MacFarland.
Las Vegas	do	2,033	16	85.0	+5.0	112	25	60	16	36	16	0.54	−0.03	0.45	0	2	12	4	15	s.	C. P. Squires.
Logandale §	do	1,355	11	82.8	−3.3	112	3	48	18	51	19	0.75	+0.31	0.47	0	3	23	7	1	......	Bert Mills.
Pioche	Lincoln	6,100	20	......	......	......	......	......	......	......	20	......	......	......	......	......	......	......	......	......	John Robinson.
Minor Basins.																					
Beatty	Nye	3,309	2	76.9	......	106	3	41	17	46	2	0.37	......	0.28	0	3	22	7	2	s.	E. E. Palmer.
Duck Flat**	Washoe	4,725	......	......	......	......	......	......	......	......	4	0.00	......	0.00	0	0	28	3	0	nw.	C. T. Smith.
Gerlach	do	3,931	6	67.2	......	97	28	35	19	49	6	0.00	......	0.00	0	0	23	0	8	sw.	Western Pacific Co.
Goldfield	Esmeralda	5,700	11	69.1	−3.3	95	4	44	†16	39	13	0.45	−0.12	0.35	0	4	23	1	7	se.	R. W. Robinson.
Jungo††	Humboldt	4,165	......	......	......	......	......	......	......	......	5	0.00	......	0.00	0	0	31	0	0	w.	Western Pacific Co.
Lemons Valley**	Washoe	5,000	......	......	......	......	......	......	......	......	4	T.	......	T.	0	0	26	0	5	w.	U. S. Indian Service.
McDermitt ††	Humboldt	4,700	7	60.6	−0.4	95	25	22	†20	52	31	0.05	−0.05	0.05	0	1	......	......	......	sw.	W. J. Webster.
McGill §	White Pine	6,338	8	68.2	+3.3	94	4	41	†20	43	8	0.18	−0.90	0.06	0	4	16	12	3	n.	R. E. Middagh.
Millett	Nye	5,040	10	64.7	−1.1	91	4	38	19	47	11	0.57	+0.22	0.37	0	2	19	6	6	w.	Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	6	69.0	+1.7	98	4	40	18	45	6	T.	−0.56	T.	0	0	19	10	2	s.	Arthur L. Stewart.
Pahrump	Nye	2,608	5	......	......	......	......	......	......	......	5	......	......	......	......	......	......	......	......	......	F. M. Buol.
Quinn Riv. Ranch**	Humboldt	4,850	16	63.7^{l}	−3.4	......	......	30^{c}	†20	......	17	T.	−0.18	T.	0	0	18^{c}	3^{c}	5^{c}	s.	F. M. Payne.
Rebel Creek	do	4,300	6	......	......	......	......	......	......	......	7	......	......	......	......	......	......	......	......	......	Fred Whitaker.
Sand Pass**	Washoe	4,198	5	71.4	......	97	25	40	20	40	5	T.	......	T.	0	0	26	3	2	w.	R. R. Mott.
Searchlight	Clark	3,445	5	79.8	......	107	3	54	16	30	5	0.57	......	0.26	0	6	17	6	8	s.	C. L. Aug. Mahn.
Sulphur	Humboldt	4,044	5	62.9	......	96	25	34	†20	52	5	0.00	......	0.00	0	0	24	6	1	sw.	Western Pacific Co.
Tonopah	Nye	6,090	13	68.7	......	91	4	46	17	29	13	0.23	......	0.13	0	3	23	8	0	se.	U. S. Weather Bureau.
Vya	Washoe	5,500	......	......	......	......	......	......	......	......	5	0.00	......	0.00	0	0	30	1	0	sw.	L. A. Mariette.
For the State				67.4	−3.2	112	†3	28	†20	64	...	0.23	−0.18	0.75	0	1	22	6	3	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Mahoney Ranger Station, Jarbridge; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of McKinney, Hellman's, Lake Tahoe, Cal.; of Lahontan, Hazen; of Woodfords, Cal., Sheridan, Nev.; of Shields Ranch, Coleville, Cal.; of Duck Flat, Sunkist; of Oasis Ranch, Oasis, Cal.; of Lemmons Valley, Reno; of Quinn River Ranch, Amos; of Sand Pass, Flannigan.

Reference letters, ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing, for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for August, 1918.

Stations	Day of month																															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia Basin.																																
Gold Creek (near)																																
Mahoney Ranger Station ‡		.65																														
Owyhee																T	.75	T														
San Jacinto		T													.22		.32	.01			.20					.01						1.40
Tuscarora (near)	.06													T			T		T	T												0.76
														.09			.25															T
Humboldt Basin.																																0.40
Arthur		.32																														
Austin	.05	.07																														
Battle Mountain		.01											.02																			0.32
Beowawe												.01			T									T								0.14
Clover Valley		.10																														0.02
Elko	T.	.10	.20								.11																					
Eureka	.09	.64												T																		0.21
Golconda													T.	T																		0.30
Hylton																.25																0.73
Imlay																																0.25
Lamoille ‡	T	.16													T	.28																0.60
Lovelock														T.	.03	T.																0.25
Metropolis †‖			.10											T.		.02																0.19
North Fork	.06													T.	T.	T.																0.02
Paradise Valley														.08			.54															0.10
Potts																																0.68
Tecoma													.01																			
Winnemucca***	.26																															0.01
														.01	T.		.10							T								0.00
Truckee Basin.																																0.32
Franktown																																
Marlette Lake ‡‖	.02																															
Reno ***	T.																															0.00
Bijou, Cal													T																		.04	0.06
McKinney, Cal																													T			T
Tahoe, Cal. ‖	T.	T.																														
					*											.01	T.															
Carson Basin.																														.11		0.12
Fallon †‖		T.																														
Gardnerville														T.																		
Lahontan													.02																			T
Markleeville, Cal																																0.02
Woodfords, Cal															T.																	0.00
																														T	T	T
Walker Basin.																																
Mina		.27																														
Smith																																
Thorne																																0.27
Yerington													T.													T						T
Shields Ranch, Cal																																T.
													.22					.10								.09						0.09
Colorado Basin.																														T	T	0.32
Indian Springs ‖																																
Las Vegas	.09						T.	T.																								
Logandale																				.45												
Pioche											.47	.02	.26																			0.54
																																0.75
Minor Basins.																																
Beatty	.28																															
Duck Flat													T.	.02																		
Gerlach																														.07		0.37
Goldfield	.02																															0.00
Jungo													.04																			0.00
Lemmons Valley	T.																										.04	T.	.35		T.	0.45
McDermitt	.05												T.																			0.00
McGill	.06																			T.												T.
Millett	.37										.02	T.	.06	T.																		0.05
Oasis Ranch		T.											.20													T.	.04				T.	0.18
Pahrump													T.																			0.57
Quinn River Ranch																															T	T
Rebel Creek																T.	T.															
Sand Pass	T.																															T.
Searchlight	.09																															
Sulphur								.02	.01	.06			.26																			T
Tonopah***	.10	T.																									.13					0.57
Vya †											T.		T.																			0.00
																											T	.04	.09			0.23
																																0.00

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

Daily evaporation (inches) and wind movement (miles) for August, 1918.

(See temperature and precipitation data in climatological tables, pages 60 to 62.)

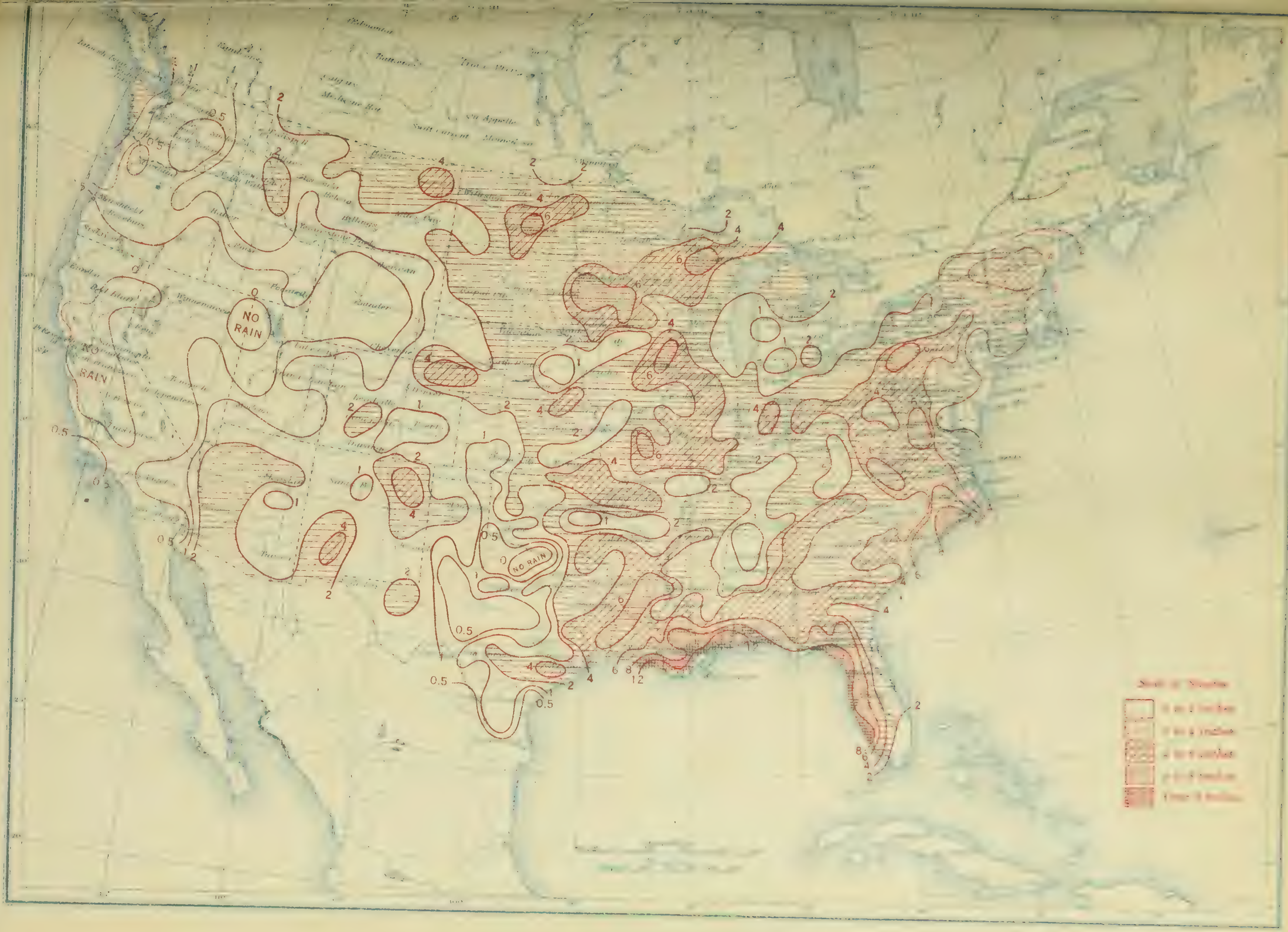
Stations.	Data.	Day of month.																														Monthly.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ndian Springs*	Evaporation																																
	Wind movement																																
amoille*	Evaporation	.081	.094	.189	.307	.367	.305	.360	.324	.379	.233	.412	.272	.323	.178	.277	.174	.357	.091	.234	.230	.248	.281	.248	.171	.369	.359	.269	.375	.330	.206	.406	8.479
	Wind movement	7	56	58	66	70	70	64	64	71	70	76	67	41	62	80	78	48	49	53	52	56	52	27	87	70	70	63	81	51	75	45	1,885
Iarlette Lake.,*	Evaporation	.281	‡	.447	.336	.335	.334	.312	.305	.288	.296	.257	.302	.353	.258	.279	.176	.119	.214	.219	.266	.263	.321	.402	.312	.268	.282	.264	.291	.235	.437	.040	8.495
	Wind movement	62		125	67	80	101	70	73	61	54	66	83	52	52	70	91	67	65	52	73	89	148	162	85	50	52	62	57	41	45	59	2,214
ahoe, Cal. **	Evaporation	.240	.185	.210	.190	.190	.285	.195	.230	.240	.260	.215	.220	.200	.220	.120	.245	.295	.245	.225	.210	.215	.140	.160	.135	.220	.220	.175	.215	.135	.135	.155	6.325
	Wind movement	87	82	81	68	109	88	66	79	83	61	66	85	114	84	72	167	104	92	93	86	79	68	59	58	58	57	44	62	81	80	34	2.447

* Observations taken at 7 a. m.; ** at 8 a. m. ‡ Included in next following entry.

Daily temperatures for August, 1918.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek (near)	Maximum																																
	Minimum																																
Owyhee	Maximum															72	68	64	70	70	68	64	73	78	86	92	89	83	85	87	86	88	77.8
	Minimum															48	45	43	37	37	28	38	34	42	41	49	53	45	40	41	38	39	41.2
San Jacinto	Maximum	82	82	85	81	83	79	82	82	80	83	73	74	84	75	79	72	68	73	75	71	66	73	77	85	90	89	83	82	83	84	87	79.4
	Minimum	58	57	53	41	49	36	35	42	37	38	41	36	31	57	42	46	39	36	35	41	34	28	36	35	37	45	41	32	31	46	33	40.3
Humboldt Basin.																																	
Austin	Maximum	77	83	85	84	86	90	84	82	83	90	85	86	82	76	78	76	78	70	75	78	74	79	80	88	88	88	85	88	89	88	85	82.6
	Minimum	57	55	45	47	47	45	48	48	51	46	50	49	49	50	50	51	43	45	42	40	37	42	44	46	44	45	45	44	44	44	44	46.4
Battle Mountain	Maximum	89	86	86	87	88	89	89	90	90	93	89	87	86	86	88	90	90	92	91	93	95	94	95	95	97	97	98	98	98	98	98	91.7
	Minimum	58	57	56	56	54	55	55	58	57	55	53	48	45	43	43	39	37	35	35	37	39	40	38	35	37	36	38	35	34	34	35	44.4
Elko	Maximum	76	87	92	92	88	83	90	89	86	89	88	90	89	82	85	83	75	78	81	80	78	81	85	93	94	95	93	91	92	92	91	86.7
	Minimum	54	52	50	45	42	41	40	44	41	43	43	43	41	45	43	41	42	40	38	38	38	34	41	43	45	46	49	41	41	39	40	42.7
Eureka	Maximum	73	83	89	91	86	83	85	86	86	87	87	81	83	78	78	75	76	77	81	77	76	81	82	88	91	89	87	90	90	88	85	83.6
	Minimum	53	56	52	52	51	41	45	48	47	55	53	45	46	51	45	44	42	39	43	38	33	39	44	48	55	53	56	48	53	47	52	47.6
Imlay	Maximum	91	92	90	89	88	89	94	90	91	88	85	84	86	85	81	80	81	79	79	77	70	81	85	88	90	91	89	91	91	87	91	86.2
	Minimum	48	48	55	49	56	50	48	49	53	54	48	45	45	46	37	35	38	39	37	30	40	48	50	51	56	58	48	48	48	45	48	46.8
Lamoille	Maximum	77	81	86	84	79	75	82	83	80	83	82	79	82	78	74	74	62	73	76	70	71	74	78	84	89	88	83	88	85	86	85	79.7
	Minimum	52	53	50	53	49	44	49	52	48	50	54	41	40	50	52	44	40	40	41	42	38	43	42	47	58	57	52	51	51	47	40	47.6
Lovelock	Maximum												89	90	89	82	82	74	79	80	78	76	84	88	93	95	95	93	93	91	95	94	87.2
	Minimum												54	51	57	55	52	48	40	38	43	36	37	49	49	48	55	49	51	50	57	47	48.3
Metropolis	Maximum	88	87	89	87	80	77	83	85	83	84	85	83	84	75	75	77	73	73	78	73	70	75	81	86	90	88	88	87	88	87	87	82.1
	Minimum	50	46	47	42	42	37	45	40	42	42	45	38	42	55	50	45	37	39	40	37	33	32	35	44	45	43	44	40	38	37	45	41.8
Paradise Valley	Maximum																																
	Minimum																																
Potts	Maximum	87	87	86	88	89	87	87	88	86	88	90	91	90	89	87	88	89	88	86	84	83	88	89	90	91	90	87	84	87	86	87	87.6
	Minimum	42	41	40	43	44	43	44	44	43	44	45	45	44	43	41	41	42	40	40	39	34	37	40	41	48	48	47	45	45	44	46	42.7
Tecoma	Maximum	99	97	98	97	99	96	94	97	96	94	98	93	96	94	96	87	80	81	80	77	80	79	82	85	90	97	99	98	94	98	97	91.7
	Minimum	48	44	46	44	48	43	42	44	38	41	47	34	38	33	32	36	38	36	35	33	37	34	38	42	48	47	43	46	47	48	49	41.3
Winnemucca	Maximum	78	86	91	86	80	80	88	85	85	89	86	83	90	84	76	70	71	77	76	70	72	80	84	90	94	92	90	92	93	91	93	83.9
	Minimum	56	53	51	48	50	45	49	48	46	50	54	46	50	60	52	49	44	39	38	34	33	40	50	48	51	50	49	50	48	50	42	47.5
Truckee Basin.																																	
Marlette Lake	Maximum		67	72	65	66	68	64	67	73	71	65	70	69	63	50	49	54	60	59	60	61	69	74	76	74	72	74	77	77	72	68	66.9
	Minimum	52		50	49	39	43	44	42	44	49	48	43	46	45	39	35	34	37	39	35	37	41	47	50	48	48	49	50	50	51	50	44.5
Reno	Maximum	78	86	88	83	84	84	83	85	87	91	83	88	88	79	71	69	72	78	79	78	76	84	89	92	92	90	92	95	93	92	92	84.5
	Minimum	62	59	54	53	45	46	50	48	50	55	54	50	52	53	48	45	40	43	46	41	43	43	48	53	57	57	55	55	58	57	58	50.9
Tahoe, Cal.	Maximum	71	80	82	79	78	76	77	79	82	80	76	80	79	71	57	59	65	71	70	71	72	77	81	83	84	82	84	84	85	82	78	76.6
	Minimum	52	51	45	46	33	37	37	37	37	42	39	38	37	41	42	40	33	34	35	33	34	36	39	42	43	44	44	43	45	45	45	40.3
Carson Basin.																																	
Fallon §§	Maximum	89	93	97	93	88	85	91	90	90	93	91	92	89	89	82	75	75	80	85	78	75	82	87	94	97	95	94	95	95	94	95	88.6
	Minimum	62	60	52	52	43	46	46	48	49	51	60	52	51	55	49	50	54	46	46	39	42	41	48	50	52	57	54	52	54	54	58	50.7
Gardnerville	Maximum	82	83	85	84	81	79	81	81	84	85	84	83	84	80	77	75	70	75	75	75	75	79	83	86	86	87	88	87	88	86	84	81.7
	Minimum	59	56	48	65	35	38	41	39	41	45	43	41	44	45	48	38	36	37	38	34	37	38	40	46	45	49	46	45	47	54	54	44.3
Lahontan	Maximum																																
	Minimum																																
Walker Basin.																																	
Mina	Maximum	87	94	100	98	96	91	94	91	92	93	90	91	94	88	85	79	80	87	86	86	93	87	89	94	96	96	96	91	96	95	95	91.3
	Minimum	52	49	39	55	48	47	50	49	50	55	48	49				46	47	45	45	47	49	46	47	54	45	41	44	44	44	45	46	47.4
Thorne	Maximum	89	87	90	87	88	83	92	88	88	92	94	93	87	86	84	80	75	82	86	81	90	81	90	88	86	87	87	89	89	87	81	86.7
	Minimum	57	59	60	59	53	53	50	44	50	50	54	44	54	53	50	54	50	54	54	52	51	50	51	54	53	54	54	53	53	59	52	52.8
Yerington	Maximum	88	85	99	96	90	84												89	88	85	83	85	89	96	98	97	95	96	96	95	[illegible]	91.5
	Minimum	67	45	64	48	38																	39	44	48	55	55	50	52	53	54	59	51.4
Colorado Basin.																																	
Indian Springs	Maximum																																
	Minimum																																
Las Vegas	Maximum	97	103	108	104	100	100	98	100	98	87	86	90	88	94	90	88	90	92	96	96	98	104	110	108	112	108	106	104	104	96	102	98.6
	Minimum	68	73	72	75	75	74	72	69	69	72	70	68	64	70	68	60	62	64	61	66	70	80	80	78	78	82	80	78	69	69	76	71.5
Logandale	Maximum	103	109	112	104	98	102	101	98	99	89	98	95	95	97	92	92	95	97	97	101	103	103	108	109	107	104	105	106	109	102	102	101.0
	Minimum	73	73	71	73	82	74	72	71	67	63	65	67	67	66	62	54	52	48	51	51	52	55	57	60	57	70	67	68	67	76	74	64.7
Pioche	Maximum																																
	Minimum																																
Minor Basins.																																	
Beatty	Maximum	92	102	106	104	105	97	93	93	96	93	92	95	94	91	89	85	86	88	90	92	93	96	97	101	103	102	102	99	101	101	97	96.0
	Minimum	64	61	62	84	63	51	51	55	56	63	57	53	74	55	61	44	41	47	46	49	52	53	55	55	58	59	79	60	63	64	58	57.8
Gerlach	Maximum	96	91	95	91	87	84	89	88	89	92	93	92	91	87	84	75	73	77	79	78	79	81	86	85	89	87	89	97	96	95	95	87.5
	Minimum	49	53	46	54	56	43	44	57	53	55	47	50	49	54	43	47	42	38	35	42	41	44	40	42	44	40	45	48	52	49	50	46.8
Goldfield	Maximum	83	89	94	95	86	86	87	87	89	89	87	88	84	79	75	72	77	79	82	82	82	.85	88	90	92	91	92	90	86	86	85	85.7
	Minimum	59	56	56	61	52	52	49	53	53	58	58	53	53	52	57	44	44	44	45	46	45	46	51	54	55	54	58	55	56	53	56	52.5
McDermitt	Maximum	80	86	89	85	84	79	85	87	83	88	84	81	89	84	76	70	68	75	65	64	71	80	84	89	95	89	88	90	90	90	93	82.6
	Minimum	45	43	40	40	35	30	44	42	32	37	41	31	47	51	44	42	34	31	33	22	22	34	41	41	44	48	36	39	43	41	44	38.7
McGill	Maximum	80	90	93	94	93	87	83	86	88	90	86	85	80	76	77	63	65	79	80	80	82	84	85	89	93	89	89	88	93	89	85	84.5
	Minimum	62	53	53	62	62	47	50	56	56	52	58	56	57	51	51	42	46	45	47	41	44	41	46	50	53	62	57	54	52	52	55	52.0
Millett	Maximum	74	85	90	91	84	84	85	85	87	85	85	86	83	79	75	73	75	78	81	77	77	82	85	88	89	88	90	90	88	87	84	83.5
	Minimum	54	49	57	50	44	44	40	43	42	47	51	45	45	47	57	47	42	40	38	41	46	40	41	45	42	46	50	47	50	45	47	45.9
Oasis Ranch	Maximum	81	90	97	98	92	89	91	90	89	93	89	88	84	85	80	78	78	80	85	84	82	85	86	88	93	90	88	90	87	84	85	87.1
	Minimum	62	56	54	58	47	52	48	50	47	52	58	48	55	52	54	46	42	40	43	47	47	48	44	47	52	54	59	56	58	54	52	51.0
Rebel Creek	Maximum																																
	Minimum																																
Sand Pass	Maximum	84	88	90	86	84	84	88	88	90	92	88	87	91	84	76	72	76	79	80	77	72	83	88	93	97	94	94	95	95	95	94	86.6
	Minimum	65	57	50	57	50	51	48	51	54	78	57	50	54	58	46	46	45	44	45	40	60	54	52	78	59	59	75	53	84	65	56	56.1
Searchlight	Maximum	91	103	107	95	89	91	90	90	90	78	84	91	84	84	82	82	85	87	88	90	92	95	97	99	100	95	94	97	100	98	96	92.0
	Minimum	71	78	81	80	68	68	68	62	61	66	59	63	64	61	62	54	55	60	62	61	67	69	69	74	72	73	73	72	75	76	71	67.6
Sulphur	Maximum	84	91	94	94	83	83	89	88	86	91	90	89	92	92	84	80	73	78	77	72	78	82	87	92	96	95	92	94	94	93	95	87.4
	Minimum	60	61	53	53	51	46	48	50	51	52	57	46	52	61	54	51	48	40	43	34	34	35	38	40	44	48	53	47	48	51	52	48.4
Tonopah	Maximum	69	84	90	91	82	79	81	82	83	84	83	82	81	74	68	67	70	73	76	76	74	78	81	85	86	86	86	85	83	81	80	80.0
	Minimum	57	60	65	64	53	55	60	59	60	60	56	58	55	53	50	46	46	50	54	50	48	53	58	63	65	67	66	62	60	58	59	57.1

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


NO RAIN
NO RAIN
NO RAIN
0.5
1
2
4
6
8
12
Scale of Shades
0 to 2 inches
2 to 4 inches
4 to 6 inches
6 to 8 inches
Over 8 inches

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WEATHER BUREAU
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OCT 28 1918

CLIMATOLOGICAL DATA

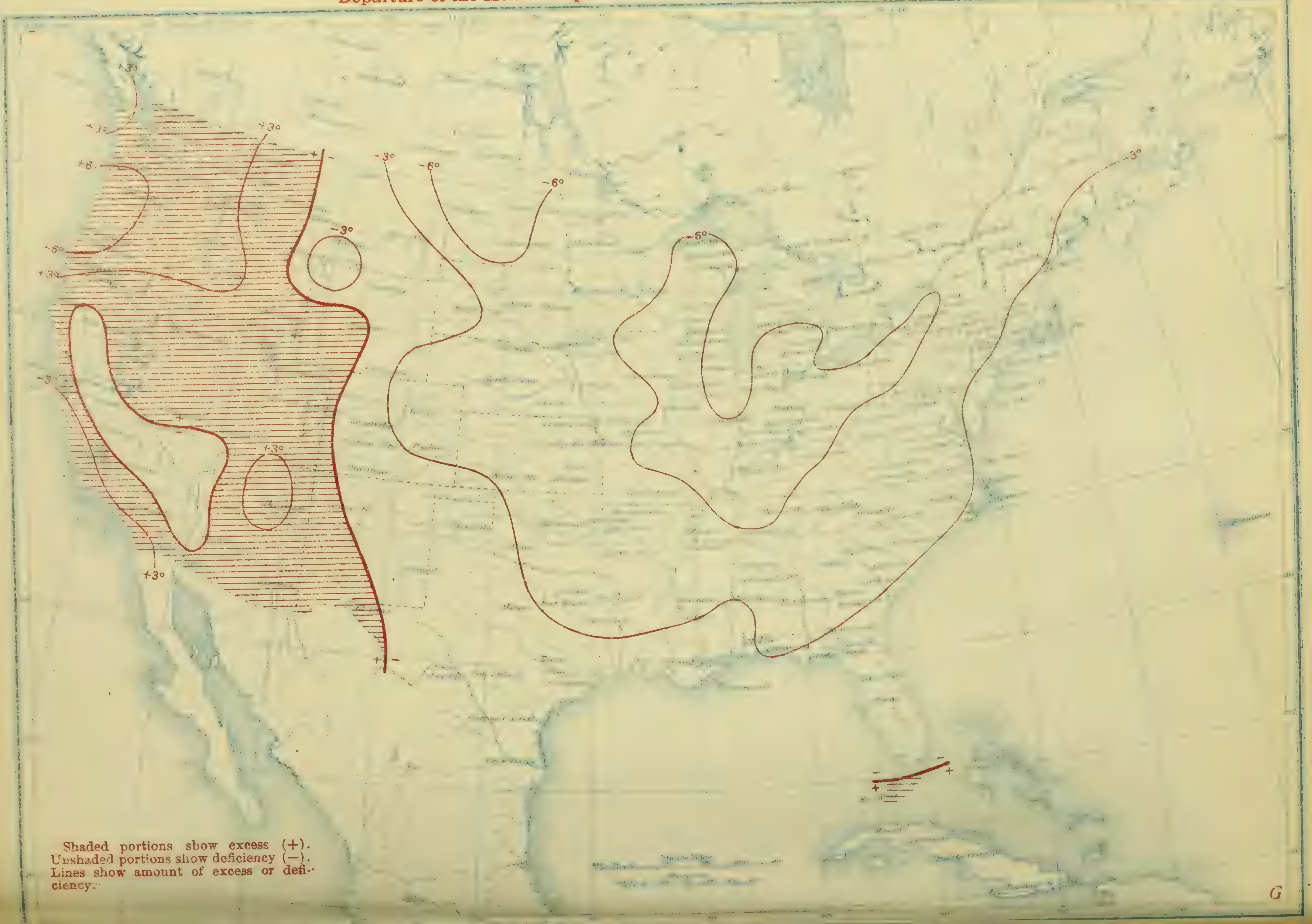
NEVADA SECTION

SEPTEMBER, 1918

BY
HENRY F. ALPS
METEOROLOGIST

RENO, NEV.
WEATHER BUREAU OFFICE
OCTOBER 21, 1918.

Departure of the Mean Temperature from the Normal, September, 1918.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALPS, Meteorologist.

VOL. XXXIII. RENO, NEVADA, SEPTEMBER, 1918. No. 9.

GENERAL SUMMARY.

September was an exceedingly wet month. The average rainfall was 1.35 inches, which is the greatest since State-wide records began in 1889. The highest average for other Septembers was 0.94 inch in 1891, and 0.93 inch in 1904, which amounts were nearly one-half inch less than the average for the past month. Precipitation occurred on frequent dates, but the periods of greatest rainfall were from the 12th to the 15th, and from the 28th to the 30th. Ten stations reported a 24-hour rainfall of one inch or more. Practically all sections of the State were well supplied with moisture, but the greatest amounts fell in the west and northwest portions, the extreme south, and from the northeast portion of Nye County northward to the southwest portion of Elko County. These areas received more than one inch of rainfall, and a few mountain stations recorded more than three inches. There was no snowfall. Thirteen stations recorded one or more thunderstorms, and this frequency is unusual for September. Hail occurred at nine stations, but no damage was reported. The temperature average was higher than normal, and there were only the usual slight fluctuations. Killing frosts occurred at a few elevated stations, and practically no damage was done.

The wet weather delayed thrashing and haying, and caused considerable damage to grain and alfalfa in fields and open stacks. The excessive moisture improved ranges, pastures and potatoes, and put the soil in excellent condition for plowing.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 39 stations, was 62.6°. The mean for the 28 stations having ten or more years' record was 1.5° above normal. The highest recorded was 104°, at Las Vegas on the 4th; the lowest was 26°, Potts on the 4th. The greatest daily range was 62°, at Tecoma on the 3d. The highest monthly mean was 79.7°, at Logandale; the lowest was 50.2°, at Marlette Lake.

PRECIPITATION.

The average for 49 stations reporting was 1.35 inches. For the 29 stations having ten or more years' record, the mean was 0.59 inch above the normal. The average amount at 3 stations in the Columbia Basin was 2.11 inches; at 18 stations in the Humboldt Basin, 1.12 inches; at 4 stations in the Truckee Basin, 3.12 inches; at 3 stations in the Carson Basin, 1.88 inches; at 5 stations in the Walker Basin, 1.15 inches; at 2 stations in the Colorado Basin, 0.56 inch; at 16 stations in the minor basins, 1.23 inches. The greatest monthly fall was 3.50 inches, at Tuscarora; the least was 0.04 inch, at Oasis Ranch and Battle Mountain. The average number of days with precipitation was 5.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric pressure (sea level)			Mean relative humidity		Wind			
						Average hourly velocity	Max. velocity		
	Mean.	Highest.	Lowest.	8 a. m.	8 p. m.		Miles per hour	Direction.	Date.
Reno	29.92	30.15	29.71	[illegible]	31	5.4	40	w.	6
Winnemucca	29.99	30.22	29.70	74	[illegible]	5.4	22	n.w.	21
Tonopah	29.92	30.15	29.65	46	27	[illegible]	33	sw.	[illegible]

SUNSHINE AND CLOUDINESS.

At Reno, 67 per cent of the possible sunshine was recorded; at Winnemucca, 74 per cent; at Tonopah, 81 per cent. For the State, the average number of clear days was 14; partly cloudy, 8; cloudy, 8.

MISCELLANEOUS PHENOMENA.

(Dates of).

Brisk winds.—1, 6, 7, 8, 9, 13, 20, 21, 22, 23, 25, 27, 28.
Hail.—3, 7, 8, 22, 23.
Sleet.—22.
Fog.—8, 9, 16.
Thunderstorms.—1, 2, 3, 4, 7, 8, 13, 14, 21, 22, 28, 29, 30.
Solar halos.—25, 26.
Lunar halo.—27.

COMPARATIVE DATA FOR SEPTEMBER.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	61.7	110	13	0.16	0	1	22	4	4	sw.
1890	64.2	110	18	0.81	0	3	17	6	7	s.
1891	58.9	98	5	0.94	0.2	5	15	7	8	sw.
1892	62.8	109	15	0.09	0	1	20	5	5	sw.
1893	57.5	99	16	0.51	T.	3	16	7	7	sw.
1894	58.8	96	10	0.35	0.6	2	21	4	5	w.
1895	59.9	106	0	0.27	0.3	1	20	4	3	w.
1896	58.3	102	15	0.35	T.	2	17	7	6	sw.
1897	60.4	105	21	0.16	0	1	18	7	5	w.
1898	61.1	97	18	0.20	T.	1	22	4	4	w.
1899	63.0	98	24	0.05	0	0	24	3	3	w.
1900	56.1	99	17	0.30	0.4	2	19	5	6	sw.
1901	56.2	95	20	0.39	2.2	2	21	5	4	sw.
1902	61.7	113	10	0.21	0.2	2	19	5	6	sw.
1903	60.2	114	17	0.18	T.	1	22	5	3	sw.
1904	60.4	103	19	0.93	0.1	4	17	5	8	s.
1905	61.1	103	19	0.51	0.7	1	19	5	6	sw.
1906	60.2	103	18	0.30	T.	2	20	6	4	w.
1907	59.9	108	12	0.35	0.4	2	20	6	4	s.
1908	59.8	108	6	0.82	0	3	17	7	6	w.
1909	60.8	100	16	0.73	0	3	16	8	6	w.
1910	61.5	108	20	0.73	0	2	21	4	5	w.
1911	57.5	107	10	0.35	0	1	19	6	5	w.
1912	56.6	98	8	0.36	0.4	2	20	5	5	w.
1913	61.4	107	10	0.46	T.	1	21	6	3	w.
1914	58.9	103	17	0.45	0.3	2	19	7	4	sw.
1915	60.7	104	19	0.48	0.1	2	22	5	3	w.
1916	61.6	106	16	0.32	T.	1	24	4	2	sw.
1917	61.2	105	21	0.22	T.	1	20	6	4	sw.
1918	62.6	104	26	1.35	0	5	14	8	8	s.
Entire period	60.2	114	0	0.44	0.2	2	19	6	5	w.

Climatological data for September, 1918.

			Temperature, in degrees Fahr.								Precipitation, in inches.					Number of days.					
Stations.	Counties.	Elevation, feet.	Length of record, years.	Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.	Prevailing direction of the wind.	Observers.
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	5	......	......	......	......	......	......	......	5	......	......	......	......	......	......	......	......	......	U. S. Forest Service.
Mahoney Ran. Sta.**	do	6,200	3	......	......	......	......	......	......	......	3	......	......	......	......	......	......	......	......	......	Do.
Owyhee	do	5,400	7	61.4^{d}	......	88^{d}	20	28^{d}	24	47^{d}	7	1.88	......	0.74	0	5	19^{d}	3^{d}	4^{d}	s.	E. A. Schwab.
San Jacinto	do	5,200	13	57.8	+3.6	86	20	29	5	51	13	0.96	+0.26	0.56	0	5	13	11	6	n.	Utah Construction Co.
Tuscarora (near)	do	......	......	......	......	......	......	......	......	......	10	3.50	......	1.16	0	8	8	6	16	s.	D. B. Williams.
Humboldt Basin.																					
Arthur	Elko	6,500	......	......	......	......	......	......	......	......	8	0.90	+0.18	0.62	0	2	28	2	0	......	Isaac Woodhouse.
Austin	Lander	6,594	29	57.9	−1.2	86	1	35	27	46	29	0.77	+0.29	0.64	0	2	7	20	3	w.	Forest Service.
Battle Mountain	do	4,513	47	62.2	+0.1	96	23	34	28	55	49	0.04	−0.26	0.02	0	3	16	0	14	n.	Southern Pacific Co.
Beowawe	Eureka	4,695	47	64.0	+2.2	92	1	33	24	48	49	0.68	+0.44	0.25	0	5	12	14	4	sw.	Do.
Clover Valley**	Elko	6,000	17	59.6	+2.0	88	22	35	24	47	25	0.45	+0.09	0.45	0	1	16	6	8	......	J. D. Weeks.
Elko	do	5,063	47	61.4	+4.5	91	1	30	25	54	48	0.40	+0.03	0.20	0	2	17	4	9	sw.	Western Pacific Co.
Eureka	Eureka	6,837	20	60.8	−0.5	86	20	33	9	41	22	2.04	+1.36	0.96	0	7	11	10	9	s.	Clay Simms.
Golconda	Humboldt	4,392	39	61.4	+1.7	89	20	34	23	45	41	1.22	+0.92	0.70	0	3	6	21	3	w.	Southern Pacific Co.
Hylton **	Elko	7,081	......	......	......	......	......	......	......	......	8	1.64	......	0.53	0	4	24	6	0	......	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	5	61.5	+0.3	88	†2	34	24	45	5	1.70	+1.48	0.75	0	3	3	16	11	w.	Southern Pacific Co.
Lamoille	Elko	6,100	3	58.2	......	86	2	34	26	42	3	1.99	......	0.66	0	8	18	4	8	se.	Elko-Lamoille Power Co.
Lovelock	Humboldt	3,977	24	63.4	0.0	93	1	33	24	52	22	1.20	+0.95	0.43	0	7	14	4	12	n.	Harold W. B. Baker.
Metropolis §	Elko	5,661	5	57.7	......	87	1	32	5	47	9	0.75	+0.56	0.25	0	4	12	16	2	......	L. F. Hatch.
North Fork	do	6,500	......	......	......	......	......	......	......	......	9	2.03	......	0.82	0	5	8	13	9	s.	Roy C. Pratt.
Paradise Valley	Humboldt	4,500	5	61.6	......	94	14	28	4	52	9	1.97	......	1.43	0	3	14	8	8	nw.	F. C. Buckingham.
Potts	Nye	6,002	25	56.5	+1.1	85	16	26	4	54	27	0.75	+0.45	0.50	0	2	17	3	10	s.	Miss Irene Potts.
Tecoma	Elko	4,812	40	62.4^{d}	+3.2	98	1	28^{g}	17	62^{g}	42	0.11	−0.27	0.08	0	2	10	20	0	e.	Southern Pacific Co.
Winnemucca	Humboldt	4,344	41	61.6	+1.1	90	1	34	24	46	49	1.53	+1.19	0.56	0	8	13	8	9	ne.	U. S. Weather Bureau.
Truckee Basin.																					
Franktown	Washoe	5,054	2	58.4^{a}	−1.9	88^{a}	†1	31^{a}	24	46^{a}	2	3.29	......	1.10	0	7	13	9	8	w.	Agent V. & T. Ry.
Marlette Lake**	do	7,900	3	50.2	......	71	†4	32	24	28	5	3.06	......	1.14	0	8	9	12^{b}	7^{b}	sw.	V. & G. H. Water Co.
Reno	do	4,532	31	62.1	+2.4	88	19	37	21	41	31	2.41	+2.14	1.29	0	11	13	10	7	w.	U. S. Weather Bureau.
Tahoe, Cal.		6,230	10	53.2	......	78	3	31	23	42	10	3.70	......	1.08	0	11	6	12	12	w.	Mrs. Emma C. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	24	63.2	+2.3	92	1	36	24	47	24	1.30	+1.11	0.55	0	6	13	4	13	n.	U.S. Experiment Station.
Gardnerville	Douglas	4,830	27	59.6	−1.1	82	†1	33	23	44	28	1.53	+1.30	1.04	0	4	23	6	1	w.	Forest Service.
Lahontan **	Churchill	4,200	6	......	......	......	......	......	......	......	8	......	......	......	......	......	......	......	......	......	U.S. Reclamat'n Service.
Markleeville, Cal.		5,525	......	......	......	......	......	......	......	......	9	2.62	......	1.00	0	6	10	10	10	s.	Mrs. Mary Thornburg.
Walker Basin.																					
Mina §	Mineral	4,350	11	63.8	−2.3	99	8	32	13	60	22	0.71	+0.40	0.28	0	4	10	0	20	......	Southern Pacific Co.
Smith	Lyon	4,800	......	......	......	......	......	......	......	......	10	1.08	......	0.29	0	6	7	11	12	sw.	C. M. Carter.
Thorne §	Mineral	4,200	5	65.2	−0.4	88	†2	35	†28	35	5	1.50	+1.29	0.50	0	3	21	3	6	s.	Southern Pacific Co.
Yerington §	Lyon	4,375	9	62.9	+3.1	93	2	32	24	52	9	1.20	+0.94	0.32	0	7	8	14	8	nw.	W. H. Churchyard.
Shields Ranch, Cal. **		5,300	......	......	......	......	......	......	......	......	9	1.26	......	0.49	0	4	16	9	5	......	Bruce H. Chichester.
Colorado Basin.																					
Indian Springs §**	Clark	3,136	5	......	......	......	......	......	......	......	5	......	......	......	......	......	......	......	......	......	Ira MacFarland.
Las Vegas	do	2,033	16	77.3^{f}	+5.1	104^{f}	4	52^{f}	†9	45^{f}	16	1.05	+0.72	0.85	0	2	8^{h}	10^{h}	4^{h}	s.	C. P. Squires.
Logandale §	do	1,355	11	79.7^{b}	+2.7	103	†12	43^{d}	9	52^{d}	19	0.06	−0.39	0.06	0	1	19	6	5	......	Bert Mills.
Minor Basins.																					
Beatty	Nye	3,309	2	71.7	......	101	2	42	9	51	2	0.44	......	0.34	0	2	21	4	5	s.	E. E. Palmer.
Duck Flat **	Washoe	4,725	......	......	......	......	......	......	......	......	4	0.94	......	0.45	0	5	16	9	5	sw.	C. T. Smith.
Gerlach	do	3,931	6	63.9	......	89	3	38	†26	47	6	1.37	......	0.80	0	7	9	0	21	sw.	Western Pacific Co.
Goldfield	Esmeralda	5,700	11	63.8	+0.4	87	1	37	24	39	13	0.54	+0.34	0.31	0	4	18	8	4	se.	R. W. Robinson.
Jungo	Humboldt	4,165	......	......	......	......	......	......	......	......	5	1.30	......	0.50	0	3	18	3	9	w.	Western Pacific Co.
Lemons Valley**	Washoe	5,000	......	......	......	......	......	......	......	......	4	3.04	......	1.20	0	11	13	4	13	sw.	W. J. Webster.
McDermitt	Humboldt	4,700	7	61.2	+0.2	88	1	30	26	48	31	1.40	+1.06	0.83	0	4	20	9	1	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	8	62.7	+7.2	92	7	31	24	45	8	1.15	+0.50	0.42	0	7	11	13	6	ne.	R. E. Middagh.
Millett	Nye	5,040	10	59.0	+2.0	88	1	30	24	50	11	0.55	−0.08	0.25	0	4	17	4	9	s.	Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	6	63.1	+3.8	90	18	34	25	47	6	0.04	−0.33	0.03	0	2	21	5	4	s.	Arthur L. Stewart.
Pahrump	Nye	2,608	5	......	......	......	......	......	......	......	5	......	......	......	......	......	......	......	......	......	F. M. Buol.
Quinn Riv. Ranch **††	Humboldt	4,850	16	59.9^{d}	+2.9	91^{i}	†18	25	†24	57^{i}	17	1.02	+0.68	0.43	0	4	14	3	13	s.	F. M. Payne.
Rebel Creek	do	4,300	6	......	......	......	......	......	......	......	7	......	......	......	......	......	......	......	......	......	Fred Whitaker.
Sand Pass **	Washoe	4,198	5	64.1^{d}	......	91^{c}	1	34^{d}	24	41^{d}	5	1.89	......	0.70	0	9	14^{c}	2^{c}	11^{c}	w.	R. R. Mott.
Searchlight	Clark	3,445	5	76.8	......	97	†1	56	23	39	5	1.65	......	1.36	0	3	20	6	4	se.	C. L. Aug. Mahn.
Sharp	Nye	6,200	4	59.6^{k}	......	84^{k}	14	35^{k}	24	35^{k}	4	1.72	......	0.95	0	3	16^{k}	2^{k}	1^{k}	s.	Pauline F. Youngs.
Sulphur	Humboldt	4,044	5	62.2	......	91	1	33	24	43	5	1.69	......	0.70	0	6	10	10	10	ne.	Western Pacific Co.
Tonopah	Nye	6,090	13	63.2	......	81	1	39	23	25	13	0.65	......	0.34	0	4	18	9	3	se.	U. S. Weather Bureau.
Vya	Washoe	5,500	......	......	......	......	......	......	......	......	5	1.24	......	0.75	0	4	23	3	4	sw.	L. A. Mariette.
For the State	......	......	....	62.6	+1.5	104	4	26	4	62	....	1.35	+0.59	1.43	0	5	14	8	8	s.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Mahoney Ranger Station, Jarbridge; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of Lahontan, Hazen; of Shields Ranch, Coleville, Cal.; of Duck Flat, Sunkist; of Oasis Ranch, Oasis, Cal.; of Lemmons Valley, Reno; of Quinn River Ranch, Amos; of Sand Pass, Flanigan.

Reference letters, ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing, for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for September, 1918.

Stations.	Day of month																														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia Basin.																																
Gold Creek (near)																																
Mahoney Ranger Station |||																																
Owyhee								.35						.37	.27							.71							[illegible]			1.88
San Jacinto			.16	T			.02	.56						.12								.10							T			0.96
Tuscarora (near)							.15	1.04	.06					1.16	.19							.27	[illegible]						[illegible]			[illegible]
Humboldt Basin.																																
Arthur														.62								.28										0.90
Austin																						.13							.64			0.77
Battle Mountain							.01								.01							.02							T			0.04
Beowawe								.25						.25								.06	.06						.06			0.68
Clover Valley								.20						T								.15										0.45
Elko		.13	.02					.10						.36								.20							T			0.30
Eureka								.22														.96	.26						.21			2.04
Golconda								.38						.52								.70							.20			1.22
Hylton								.25														.53							.21			1.14
Imlay			.05		.06			.13	.36						.66							.75							.45	.25		1.70
Lamoille |||						.02							.18	.02								.06	.18	T						.19		1.99
Lovelock																						.11	.10						.14	.03		1.90
Metropolis |||		T		T				T	.25	.10				.20								T	.20						T			0.75
North Fork								.62						.82	.18							.35							.06			2.03
Paradise Valley											T			1.43								.10							.44			1.97
Potts																					.25								.50			0.75
Tecoma														.03								.08										0.11
Winnemucca***		.04		T		T	T	.12				T	.01	.57							.02	.39						.17	.23			1.53
Truckee Basin.																																
Franktown													1.10	.10	.38					1.00	.22	.16							.33			3.29
Marlette Lake |||							.02	.08					.88	1.14								.33						.10	.48	.03		3.06
Reno ***	.01						.05				T	.35	.97	.01							.12	.09					.03	.21	.30	.27		2.41
Tahoe, Cal. |||							.34	.12				.04	.82	1.08	.11	T	T					.43	.09					.10	.50	.07		3.70
Carson Basin.																																
Fallon |||								.01					.15	.06								.22	.55						.31	T		1.30
Gardnerville							T						1.04								.15							.10	.24			1.53
Lahontan																																
Markleeville, Cal	T						T					1.00	.60								.22						.35	.35		.10		2.62
Walker Basin.																																
Mina												.07									.28							.12		.24		0.71
Smith		T					.08						.29								.03	.13				T	.30	.25	T	T		1.08
Thorne												.50	.50																.50			1.50
Yerington							.04	.28					.32									.34						.02	.18	.02		1.20
Shields Ranch, Cal	T											.37	T										.22					T	.49	.18		1.26
Colorado Basin.																																
Indian Springs |||																																
Las Vegas			.20																			.85										1.05
Logandale			.06																		T											0.06
Minor Basins.																																
Beatty																						.10								.34		0.44
Duck Flat			.08									.45	.10															.16	.15			0.94
Gerlach							.01					.09	.80	.36	.02					.05									.04			1.37
Goldfield																					.07							.14	.31	.02		0.54
Jungo													.50								.45								.35			1.30
Lemmons Valley	.32						.45	.18			T	.05	1.20	.10							.05	.15						.30	.20	.04		3.04
McDermitt*								.25						.83								.06							.26			1.40
McGill		.01	.02	.20																	.20	.42	.07							.23		1.15
Millett	.10						.04															.25							.16			0.55
Oasis Ranch																					T							T	.03	.01		0.04
Pahrump																																
Quinn River Ranch								.19					.43	.35															.05			1.02
Rebel Creek																																
Sand Pass							.14	.25				.02	.70	.25							.16	.05						.20	.12			1.89
Searchlight		.04	1.36																			.25										1.65
Sharp																						.95							.25	.52		1.72
Sulphur							.03	.05					.70	.40								.39						.12				1.69
Tonopah***							T														.05	.29					T	.14	.17			0.65
Vya |||												.75	.05															.40	.04			1.24

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.
||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

Daily evaporation (inches) and wind movement (miles) for September, 1918.

(See temperature and precipitation data in climatological tables, pages 68 to 70.)

Stations.	Data.	Day of month.																														Monthly.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Indian Springs*	Evaporation																																
	Wind movement																																
Lamoille*	Evaporation	.283	.335	.021	.203	.170	.270	.272	.163	.114	.161	.191	.219	.114	.260	.098	.120	.170	.235	.250	.259	.275		.372	.015	.119	.138	.138	.142	.087	.058		5.433
	Wind movement	80	60	67	35	100	68	70	46	45	49	35	45	40	59	29	38	54	67	83	68	72	57	54	49	50	42	60	35	36	49		1,642
Marlette Lake,*	Evaporation	.092	‡	‡	.667	.242	.182	.281	.097	.149	.165	.265	.127	.159		.092	.122	.207	.359	.349	.194	.214		.079	.114	.252	.282	.136	.124		.110		5.622
	Wind movement	33	‡	‡	190	61	71	61	62	70	89	49	52	103	58	104	203	129	184	99	51	44	45	71	47	56	200	154	65	45	48		2,444
Tahoe, Cal.**	Evaporation	.130	.175	.235	.220	.185	.145		.055	.165	.125	.085	.115				.155	.135	.150	.170	.155	.150		.115	.115	.150	.105	.135	.075		.035		4.102
	Wind movement	54	47	63	79	89	79	64	73	77	64	48	49	53	64	68	97	53	66	57	71	48	64	66	24	83	54	82	46	36	51		1,869

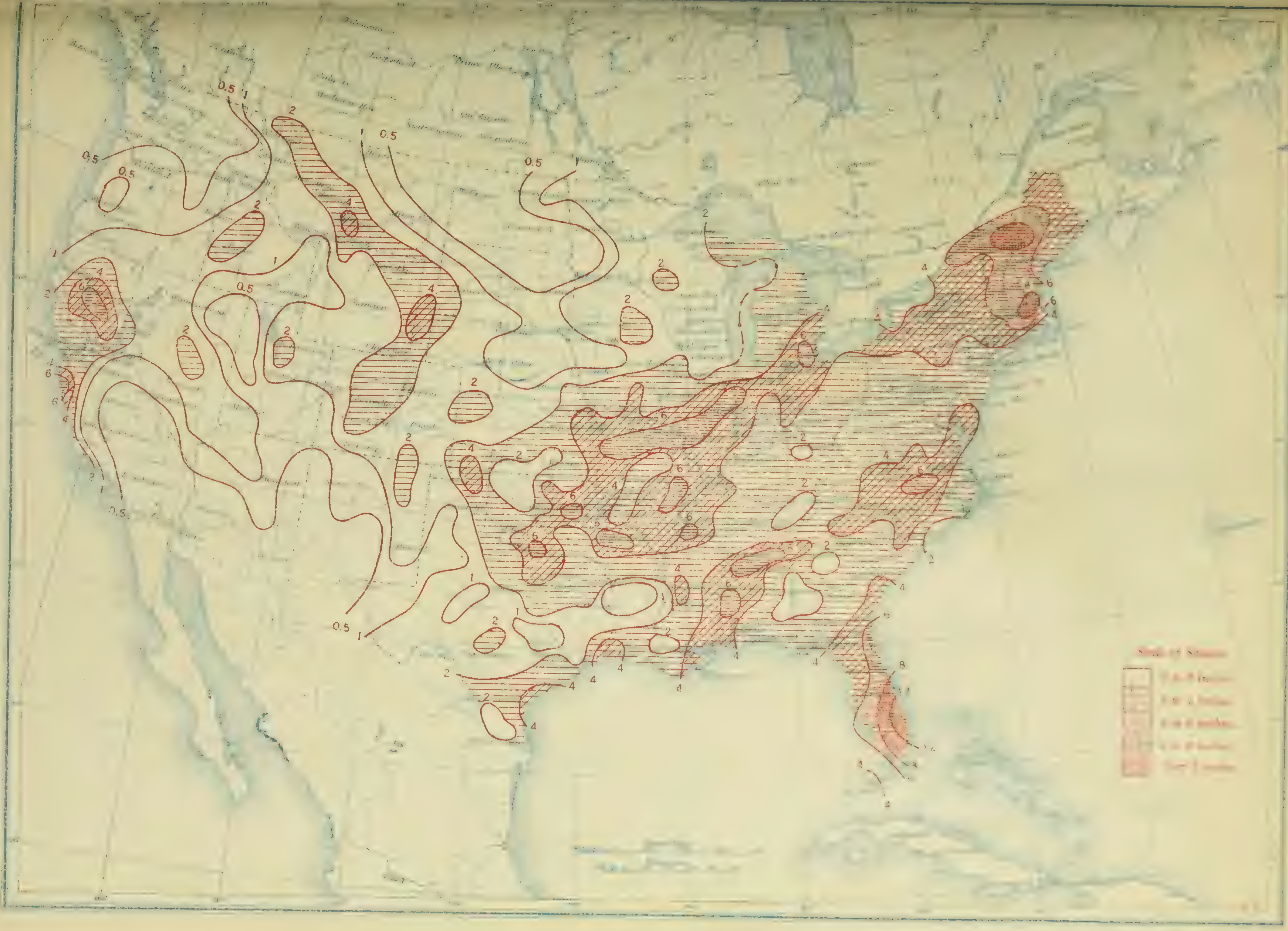
* Observations taken at 7 a. m.; ** at 8 a. m. ‡ Included in next following entry.

Daily temperatures for September, 1918.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek (near)	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Owyhee	Maximum	85	80	80	80	79	87	83	65	67	....	....	78	85	....	....	77	80	81	83	88	85	74	54	65	68	72	79	80	71	72	....	76.8
	Minimum	54	56	57	51	36	43	46	44	41	....	....	61	56	....	....	48	38	42	38	41	51	46	43	28	32	42	44	59	54	48	....	46.1
San Jacinto	Maximum	83	74	74	74	80	84	80	66	71	72	81	85	85	73	68	74	78	82	81	86	80	76	68	66	71	74	77	78	71	72	....	76.1
	Minimum	44	54	45	36	29	41	51	41	43	41	35	40	45	43	51	35	32	33	30	35	42	50	31	33	34	30	31	39	48	43	....	39.5
Humboldt Basin.																																	
Austin	Maximum	86	80	80	78	79	76	76	62	69	75	81	79	81	73	66	74	79	81	83	85	82	74	66	64	70	70	67	71	66	69	....	74.7
	Minimum	44	44	49	48	46	45	45	40	40	40	40	40	40	39	39	39	39	39	39	39	39	39	36	36	96	36	35	39	42	61	....	41.1
Battle Mountain	Maximum	80	80	78	78	80	77	76	70	72	74	76	76	74	74	72	75	89	85	89	94	95	95	96	94	89	87	87	88	78	79	....	81.9
	Minimum	49	50	47	48	47	45	43	40	44	47	49	45	40	40	42	45	46	42	40	41	40	40	42	41	38	36	36	34	40	40	....	42.6
Elko	Maximum	91	89	85	83	82	85	85	88	85	78	85	87	89	87	79	77	87	84	85	89	89	84	83	66	73	75	79	83	76	77	....	82.8
	Minimum	46	44	43	48	35	36	45	42	40	38	42	43	45	47	43	40	39	37	36	35	41	42	43	31	30	34	36	43	39	36	....	40.0
Eureka	Maximum	84	79	78	81	80	80	80	74	73	78	83	82	84	78	70	76	81	83	83	86	82	70	56	63	77	76	73	75	72	72	....	77.0
	Minimum	51	48	45	51	43	52	54	41	33	38	42	56	56	46	38	40	41	43	46	49	49	44	40	35	37	40	44	43	50	44	...	44.6
Imlay	Maximum	87	88	82	81	83	88	80	70	69	75	83	81	71	72	75	78	81	85	83	88	85	68	62	61	70	75	78	74	68	72	....	77.2
	Minimum	51	52	56	54	42	55	48	41	37	45	50	55	47	49	42	53	43	40	45	43	42	40	35	34	42	40	50	50	45	47	....	45.8
Lamoille	Maximum	86	78	80	72	77	81	79	58	70	72	80	79	84	68	66	71	75	72	78	84	81	62	55	61	65	70	73	74	65	68	....	72.8
	Minimum	53	50	46	42	46	44	44	42	38	42	38	40	52	51	45	40	41	48	51	45	54	36	39	36	35	34	41	45	51	43	....	43.7
Lovelock	Maximum	93	89	88	85	86	87	87	73	73	80	86	86	83	83	73	82	86	89	89	91	91	70	67	70	75	81	79	78	73	74	....	82.0
	Minimum	47	49	43	44	38	45	54	48	37	39	57	56	56	50	41	52	45	45	43	39	40	47	41	33	34	49	49	42	52	41	....	45.0
Metropolis	Maximum	87	83	80	75	75	75	78	75	60	65	70	73	78	75	71	75	78	80	82	85	84	80	67	65	69	73	75	75	70	70	....	74.9
	Minimum	44	44	43	47	32	40	42	40	37	38	40	41	45	40	45	40	37	37	35	40	48	38	37	36	35	44	44	45	45	37	....	40.5
Paradise Valley	Maximum	81	70	77	80	74	77	80	84	87	90	86	91	89	94	80	75	71	83	88	84	87	80	71	76	80	79	75	70	74	69	....	80.1
	Minimum	60	56	40	28	32	40	36	39	47	51	42	53	47	50	47	42	50	52	60	59	47	38	30	34	37	40	32	31	32	37	....	43.0
Potts	Maximum	80	82	83	80	77	79	77	69	71	74	80	80	79	80	82	85	77	79	83	79	75	70	73	75	73	70	74	76	70	76	....	76.9
	Minimum	34	36	34	26	35	34	42	30	29	58	36	42	43	44	40	39	34	36	34	31	35	34	36	30	29	35	38	36	34	38	....	36.1
Tecoma	Maximum	98	95	95	93	96	94	97	93	85	88	87	86	88	87	83	90	89	87	90	90	91	88	86	83	84	85	88	84	85	88	...	89.1
	Minimum	47	38	33	36	39	41	44	....	....	....	....	....	34	32	....	....	28	29	31	33	42	41	37	30	33	36	34	33	37	36	...	35.8
Winnemucca	Maximum	90	85	84	83	85	86	77	68	68	76	84	80	76	63	70	77	81	85	87	89	85	68	63	68	72	77	78	76	66	74	....	77.4
	Minimum	54	60	47	52	41	48	56	44	39	38	49	58	56	52	46	48	43	43	41	43	42	44	38	34	36	44	43	45	48	43	....	45.8
Truckee Basin.																																	
Marlette Lake	Maximum	....	....	71	66	70	66	53	50	55	58	64	56	50	52	53	63	61	69	71	67	61	49	52	60	53	56	59	52	52	58	....	58.8
	Minimum	46	....	....	45	45	45	42	36	36	38	43	50	46	38	38	40	46	50	50	41	41	41	33	32	35	42	41	40	45	41	....	41.6
Reno	Maximum	88	84	83	84	86	84	68	66	70	76	81	73	60	67	75	81	83	87	88	88	78	65	67	73	73	75	77	64	75	76	....	76.5
	Minimum	52	53	49	46	45	47	52	44	48	43	50	56	56	48	46	48	48	50	50	53	49	47	41	37	43	44	44	45	51	45	....	47.7
Tahoe, Cal	Maximum	77	78	76	76	77	77	62	59	65	69	73	60	51	60	64	70	73	75	78	75	66	57	58	63	67	64	67	55	65	67	....	67.6
	Minimum	42	38	37	35	35	38	42	34	38	36	37	45	50	44	38	38	41	42	40	39	37	38	31	32	33	38	39	40	44	41	....	38.7
Carson Basin.																																	
Fallon §§	Maximum	92	90	88	87	87	90	70	73	74	80	85	83	70	72	76	81	85	87	90	91	85	70	68	70	72	80	78	75	73	74	....	79.9
	Minimum	54	55	47	49	40	43	51	46	47	39	46	53	57	53	47	47	46	46	46	48	48	48	42	36	39	42	41	44	55	44	....	46.6
Gardnerville	Maximum	82	81	80	79	81	82	78	75	77	73	76	73	71	71	70	75	77	80	81	82	81	72	70	79	69	74	71	70	70	69	....	75.6
	Minimum	46	47	41	39	38	41	50	40	39	37	48	55	52	50	42	44	54	44	45	44	43	45	33	35	40	40	41	43	44	49	....	43.6
Lahontan	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Walker Basin.																																	
Mina	Maximum	94	95	94	95	87	92	90	89	87	82	88	94	92	75	78	83	87	89	90	91	94	86	80	75	78	82	83	80	82	80	....	86.4
	Minimum	45	45	34	45	38	38	38	38	44	44	54	51	32	43	44	50	50	49	38	41	36	45	36	34	37	37	37	37	40	35	....	41.3
Thorne	Maximum	81	88	83	76	76	81	88	86	80	80	80	73	73	72	80	86	76	75	86	86	80	88	82	86	86	80	74	70	58	60	....	79.0
	Minimum	52	54	50	50	50	52	54	53	52	53	52	50	50	50	53	55	56	53	56	56	53	54	53	56	54	53	50	35	35	50	....	51.5
Yerington	Maximum	90	93	91	88	89	92	78	71	78	81	84	84	68	74	77	82	86	89	92	92	85	76	71	75	72	81	80	74	79	71	....	81.4
	Minimum	52	49	44	40	37	40	41	40	40	42	51	53	51	49	41	47	47	48	47	46	44	46	35	32	38	41	39	51	52	48	....	44.4
Colorado Basin.																																	
Indian Springs	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Las Vegas	Maximum	101	98	102	104	92	95	95	91	92	94	95	97	100	94	95	92	81	99	100	101	94	82	....	....	....	92	....	....	....	92	....	94.9
	Minimum	72	70	68	60	58	58	56	56	52	52	54	60	68	68	60	54	52	65	58	56	59	59	58	....	....	....	....	....	....	60	....	59.7
Logandale	Maximum	101	102	91	93	98	101	94	97	95	95	102	103	103	98	96	99	102	103	103	102	98	87	83	88	91	94	94	97	96	93	....	96.6
	Minimum	61	62	67	65	67	56	64	70	43	50	54	62	64	72	62	73	62	63	66	62	65	72	64	62	61	63	....	....	....	....	....	62.8
Minor Basins.																																	
Beatty	Maximum	100	101	92	90	95	95	95	90	87	88	95	99	96	90	88	93	96	96	97	98	97	86	82	84	82	86	81	82	91	82	...	91.1
	Minimum	56	52	72	50	52	48	48	50	42	46	53	61	68	59	54	54	55	53	52	52	46	53	44	41	46	48	54	57	50	51	....	52.3
Gerlach	Maximum	86	88	89	86	87	86	85	73	74	78	80	81	79	78	79	80	81	88	87	87	86	87	85	87	83	72	74	72	78	76	....	81.7
	Minimum	55	54	50	48	43	45	52	48	45	45	49	52	49	47	50	52	50	47	45	47	43	47	43	40	39	38	40	38	39	42	....	46.1
Goldfield	Maximum	87	84	83	83	85	85	83	75	75	77	84	84	81	76	76	80	83	86	86	86	82	72	67	70	75	76	77	73	70	69	....	79.0
	Minimum	53	53	57	49	46	54	52	46	40	40	50	60	63	51	46	50	52	49	48	53	47	52	41	37	40	43	47	48	47	42	....	48.5
McDermitt	Maximum	88	83	83	84	84	87	88	67	69	74	78	82	84	65	70	75	79	86	87	86	83	75	70	68	73	77	82	76	65	72	....	78.0
	Minimum	45	36	46	42	36	40	42	33	35	38	41	45	49	55	48	50	51	60	44	62	49	47	47	34	45	30	62	38	44	46	....	44.3
McGill	Maximum	87	82	82	78	78	82	92	79	78	80	85	88	86	82	73	78	80	86	84	86	81	77	61	64	67	74	74	78	77	72	....	79.1
	Minimum	53	52	52	52	40	47	47	54	37	40	49	52	60	55	38	44	44	46	46	46	56	50	39	31	37	39	42	47	50	43	....	46.3
Millett	Maximum	88	84	80	80	80	80	80	74	75	76	85	85	84	74	71	79	81	83	86	86	82	73	70	68	71	76	70	75	69	73	....	77.9
	Minimum	40	46	41	44	33	36	41	34	32	33	40	47	59	55	35	42	42	49	40	36	37	46	38	30	31	35	36	48	47	34	....	40.2
Oasis Ranch	Maximum	88	87	85	84	85	86	86	77	76	78	81	87	85	79	75	77	80	90	85	86	80	75	65	69	75	77	72	75	74	64	....	79.4
	Minimum	49	50	56	43	44	54	48	40	37	44	47	60	61	53	46	49	47	43	44	48	52	50	44	37	34	36	46	53	49	40	....	46.8
Rebel Creek	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Sand Pass	Maximum	91	88	86	85	88	86	75	71	73	79	82	78	65	64	....	....	....	87	89	88	80	66	68	70	75	79	79	68	70	74	....	77.9
	Minimum	57	57	53	44	47	....	52	43	46	45	61	61	56	54	....	....	....	51	50	57	57	46	44	34	42	54	51	49	53	44	....	50.3
Searchlight	Maximum	97	94	80	87	90	92	91	85	85	90	96	97	93	89	87	89	90	94	96	92	87	84	79	81	79	85	84	88	95	89	....	88.8
	Minimum	68	69	58	62	65	70	67	63	58	61	69	75	70	64	61	67	65	67	74	67	66	61	56	62	59	59	63	64	65	68	....	64.8
Sharp	Maximum	....	....	....	....	....	....	....	....	....	....	....	72	80	84	77	73	75	78	81	82	83	80	62	63	65	66	70	69	73	74	....	74.0
	Minimum	....	....	....	....	....	....	....	....	....	....	....	52	51	52	44	58	46	48	48	48	48	47	36	35	36	37	40	46	49	39	....	45.8
Sulphur	Maximum	91	88	86	84	87	86	86	72	72	80	83	82	78	66	70	78	84	87	88	88	87	65	67	69	75	79	79	76	69	77	....	79.3
	Minimum	55	59	46	46	45	41	49	49	37	37	40	43	46	50	48	47	45	45	46	50	54	45	43	33	36	40	42	45	49	42	....	45.2
Tonopah	Maximum	81	78	79	76	78	77	76	70	69	73	80	79	76	69	71	74	78	79	81	81	77	65	59	64	68	70	63	68	62	65	....	72.9
	Minimum	62	59	59	57	58	59	56	47	45	52	59	65	63	52	46	53	55	62	60	61	54	43	39	44	49	51	55	51	50	47	....	53.8

---

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.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U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

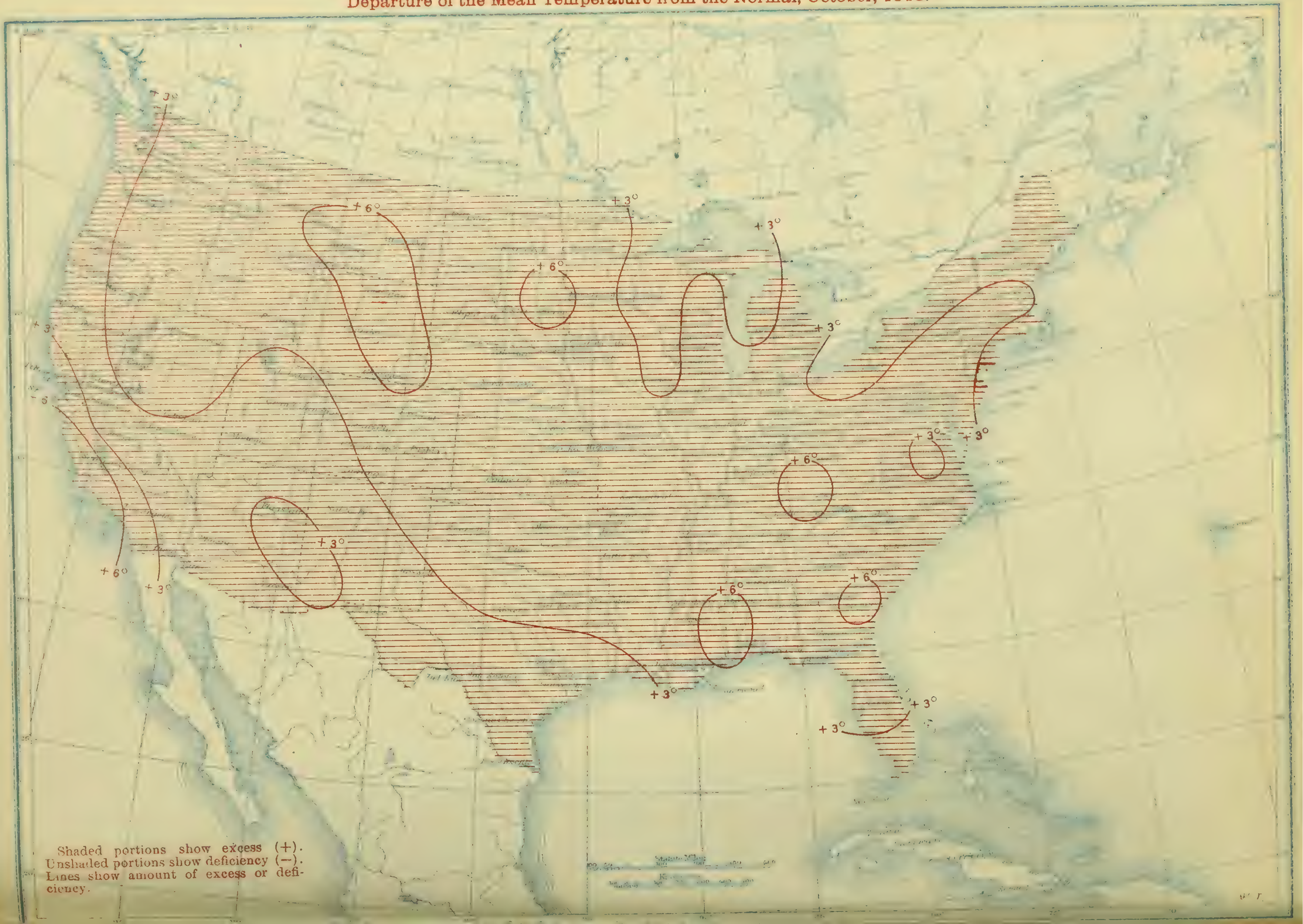
NEVADA SECTION

OCTOBER, 1918

BY
HENRY F. ALPS
METEOROLOGIST

RENO, NEV.
WEATHER BUREAU OFFICE
NOVEMBER 22 1918.

Departure of the Mean Temperature from the Normal, October, 1918.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALPS, Meteorologist.

Vol. XXXIII. Reno, Nevada, October, 1918. No. 10.

GENERAL SUMMARY.

The month of October was unusually warm, and there was an excess of moisture over the greater part of the State. Cloudy and rainy weather was general during the first six or seven days of the month, and from the 14th to the 18th. More than an inch of precipitation fell in Elko, White Pine, and portions of Nye, Eureka, and Humboldt Counties, and in the foothills along the extreme western border of the State. A few scattered areas received less than a quarter of an inch of moisture. The snowfall was light. Only seven stations reported measurable depths, and these were located at elevations above 6,000 feet. The first killing frost of the season occurred in the agricultural valleys during two moderately cold periods which extended from the 16th to the 20th, and from the 23d to the 27th, except in the warmer valleys of the extreme south portion where no frosts formed. Only slight damage was done by freezing temperatures, as most of the crops had been harvested and the temperature did not fall low enough to injure potatoes which remained in the ground.

The weather was generally favorable for ranch activity. Haying, harvesting, and thrashing were completed. Wheat and alfalfa hay were damaged to some extent by rains the first part of the month. Potato digging and apple picking were completed with fair to good yields. Ranges improved greatly in the northern portion of the State, and were reported good in nearly all sections at the close of the month.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 37 stations, was 53.2°. The mean for the 25 stations having ten or more years' record was 3.1° above normal. The highest recorded was 98°, at Logandale on the 2d; the lowest was 10°, Millett on the 26th. The greatest daily range was 53°, at Tecoma on the 5th, Elko on the 12th, and Battle Mountain on the 27th. The highest monthly mean was 67.6°, at Logandale; the lowest was 43.3°, at Marlette Lake.

PRECIPITATION.

The average for 47 stations reporting was 0.98 inch. For the 27 stations having ten or more years' record, the mean was 0.23 inch above the normal. The average amount at 4 stations in the Columbia Basin was 1.64 inches; at 16 stations in the Humboldt Basin, 1.12 inches; at 2 stations in the Truckee Basin, 1.52 inches; at 2 stations in the Carson Basin, 0.53 inch; at 4 stations in the Walker Basin, 0.64 inch; at 2 stations in the Colorado Basin, 0.36 inch; at 17 stations in the minor basins, 0.85 inch. The greatest monthly fall was 2.48 inches, at Mahoney Ranger Station; the least was a trace, at Thorne. The average number of days with precipitation was 4.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric pressure (sea level).			Mean relative humidity		Wind.			
	Mean.	Highest.	Lowest.	5 a. m.	5 p. m.	Average hourly velocity	Max. velocity Miles per hour	Max. velocity Direction.	Max. velocity Date.
Reno	30.05	30.31	29.76	79	40	4.5	29	w	13
Winnemucca	30.10	30.37	29.76	80	47	5.1	30	s	14
Tonopah	30.00	30.19	29.82	60	42	9.2	42	nw	28

SUNSHINE AND CLOUDINESS.

At Reno, 75 per cent of the possible sunshine was recorded; at Winnemucca, 77 per cent; at Tonopah, 80 per cent. For the State, the average number of clear days was 18; partly cloudy, 6; cloudy, 7.

MISCELLANEOUS PHENOMENA.

(Dates of.)

Thunderstorms.—1, 2, 3, 4, 14, 15.
Hail.—3, 15.
Sleet.—17, 27.
Fog.—16, 18.
Brisk winds.—2, 3, 4, 5, 6, 13, 14, 15, 16, 25, 27, 28.
Solar halos.—8, 30.
Lunar halos.—23, 24, 26.

COMPARATIVE DATA FOR OCTOBER.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	52.2	103	14	1.48	0.8	6	10	9	12	w.
1890	50.5	92	8	0.25	1.1	2	21	6	4	nw.
1891	51.2	88	0	0.04	0.3	0	22	5	4	s.
1892	47.5	91	2	0.32	0.2	3	15	7	9	sw.
1893	48.9	94	8	0.12	T.	1	19	6	6	sw.
1894	51.7	94	5	0.33	0.0	2	22	4	5	sw.
1895	49.9	100	−5	0.26	T.	2	21	6	4	w.
1896	50.3	94	11	0.24	0.5	1	20	6	5	w.
1897	47.1	95	9	1.71	2.5	6	15	7	9	w.
1898	45.9	86	7	0.23	0.6	2	19	5	7	w.
1899	46.3	89	4	0.72	3.9	3	15	6	10	w.
1900	47.7	82	4	0.80	0.9	3	15	7	9	sw.
1901	50.7	90	17	1.11	0.8	5	16	6	9	sw.
1902	49.8	97	13	0.26	0.7	1	20	5	6	s.
1903	51.0	90	11	0.29	T.	1	23	4	4	sw.
1904	47.8	91	6	1.20	0.1	4	17	6	8	n.
1905	45.8	96	0	0.05	0.6	0	24	4	3	n.
1906	49.9	100	1	0.10	T.	0	21	6	4	w.
1907	54.2	96	13	0.98	0.1	4	16	8	7	s.
1908	46.6	95	1	0.49	1.4	2	18	6	7	w.
1909	50.4	89	7	0.61	0.2	3	18	7	6	w.
1910	51.0	101	7	0.42	T.	3	20	5	6	w.
1911	47.7	90	6	0.36	0.1	2	21	5	5	w.
1912	45.8	88	0	1.34	4.0	5	17	6	8	w.
1913	49.8	91	5	0.28	T.	1	21	6	4	w.
1914	51.5	96	14	0.61	0.2	3	17	7	7	w.
1915	53.3	99	13	0.01	T.	0	26	3	2	sw.
1916	46.3	88	8	1.68	3.0	6	19	5	7	w.
1917	53.5	101	−1	T.	0.0	0	27	3	1	sw.
1918	53.2	98	10	0.98	0.3	4	18	6	7	n.
Entire period	49.4	103	−5	0.58	0.7	2	19	6	6	w.

CORRECTIONS.

September, 1918.—Page 68, Tonopah, number of clear days should be 19; partly cloudy 8.

Climatological data for October, 1918.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days.				Prevailing direction of the wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	5	....	....	....	....	....	....	....	5	....	....	....	....	....	....	....	....	....	U. S. Forest Service.
Mahoney Ran. Sta.**	do	6,200	3	....	....	....	....	....	....	....	3	2.48	....	1.00	8.0	7	....	....	....	....	Do.
Owyhee	do	5,400	7	47.8^{i}	....	82^{i}	12	19^{i}	23	43^{i}	7	1.26	....	0.48	T.	8	15^{i}	5^{i}	2^{i}	n.	E. A. Schwab.
San Jacinto	do	5,200	13	47.4	+3.8	79	12	19	†26	50	13	1.25	+0.56	0.47	T.	6	16	6	9	n.	Utah Construction Co.
Tuscarora (near)	do			....	....	....	....	....	....	....	10	1.55	....	0.47	0.2	8	13	6	12	nw.	D. B. Williams.
Humboldt Basin.																					
Arthur	Elko	6,500	....	....	....	....	....	....	....	....	8	1.85	+0.63	0.67	2.2	4	23	6	2	....	Isaac Woodhouse.
Austin	Lander	6,594	29	50.4^{e}	+1.8	85^{e}	8	25^{e}	25	40^{e}	29	0.54	−0.12	0.24	0	3	16^{a}	7^{a}	7^{a}	e.	Forest Service.
Battle Mountain	do	4,513	47	53.7	+4.0	85	14	18	27	53	49	0.04	−0.42	0.02	0	3	19	2	10	n.	Southern Pacific Co.
Beowawe	Eureka	4,695	47	52.2	+2.7	82	12	18	26	51	49	0.20	−0.29	0.10	0	2	19	11	1	s.	Do.
Clover Valley**	Elko	6,000	17	51.7^{i}	+4.6	78^{i}	†8	19^{i}	28	44^{i}	25	1.23	+0.43	0.56	0	4	16	4	11	....	J. D. Weeks.
Elko	do	5,063	47	51.6	+6.6	86	12	19	26	53	48	0.90	+0.05	0.30	0	4	14	11	6	w.	Western Pacific Co.
Eureka	Eureka	6,837	20	51.0	+1.9	77	12	21	26	38	22	1.76	+0.92	0.90	3.0	6	13	4	14	n.	Clay Simms.
Golconda	Humboldt	4,392	39	50.7	+1.2	80	12	24	25	37	41	0.73	+0.26	0.30	0	5	14	14	3	w.	Southern Pacific Co.
Hylton**	Elko	7,081	....	....	....	....	....	....	....	....	8	2.27	....	0.51	T.	8	18	9	4	sw.	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	5	50.8	+0.2	73	4	32	†18	35	5	1.65	+1.29	0.55	0	4	18	8	5	sw.	Southern Pacific Co.
Lamoille	Elko	6,100	3	50.4^{h}	....	76^{n}	12	24	26	32^{o}	3	1.75	+0.46	0.73	T.	7	17	3	11	sw.	Elko-Lamoille Power Co.
Lovelock	Humboldt	3,977	24	53.4	+1.6	83	12	23	26	47	22	1.12	+0.88	1.08	0	2	17	3	11	n.	Harold W. B. Baker.
Metropolis §	Elko	5,661	5	....	....	....	....	....	....	....	9	....	....	....	....	....	....	....	....	....	L. F. Hatch.
North Fork	do	6,500	....	....	....	....	....	....	....	....	9	1.37	....	0.40	3.0	5	10	12	9	s.	Roy C. Pratt.
Paradise Valley	Humboldt	4,500	5	54.2	....	79	18	20	29	48	9	1.10	....	0.58	0	4	17	5	9	nw.	F. C. Buckingham.
Potts	Nye	6,002	25	....	....	....	....	....	....	....	27	....	....	....	....	....	....	....	....	....	Miss Irene Potts.
Tecoma	Elko	4,812	40	49.4	+3.4	84	5	20	26	53	42	0.91	+0.47	0.85	0	2	17	18	1	n.	Southern Pacific Co.
Winnemucca	Humboldt	4,344	41	51.6	+3.0	83	12	22	26	46	49	0.45	−0.07	0.22	0	7	15	8	8	ne.	U. S. Weather Bureau.
Truckee Basin.																					
Franktown ††	Washoe	5,054	2	51.2	+0.2	78	12	27	26	41	2	0.85	....	0.30	0	6	19	0	12	....	Agent V. & T. Ry.
Marlette Lake**	do	7,900	3	43.3^{l}	....	64^{m}	13	19^{l}	19	....	5	2.30	....	0.86	0	6	14	1^{i}	7^{i}	sw.	V. & G. H. Water Co.
Reno	do	4,532	31	53.6	+3.9	82	12	27	26	40	31	0.75	+0.34	0.48	0	6	20	5	6	w.	U. S. Weather Bureau.
Tahoe, Cal.		6,230	10	46.2	....	72	11	25	†25	36	10	3.01	....	0.66	0	8	19	4	8	w.	Mrs. Emma C. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	24	53.4	+2.7	84	12	21	26	45	24	0.62	+0.21	0.42	0	2	21	2	8	w.	U.S. Experiment Station.
Gardnerville	Douglas	4,830	27	51.4	+0.7	77	12	20	25	46	28	0.44	−0.02	0.40	0	3	24	7	0	w.	Forest Service.
Lahontan**	Churchill	4,200	6	....	....	....	....	....	....	....	8	....	....	....	....	....	....	....	....	....	U.S. Reclamat'n Service.
Markleeville, Cal.		5,525	....	....	....	....	....	....	....	....	9	1.39	....	1.17	0	2	22	5	4	s.	Mrs. Mary Thornburg.
Walker Basin.																					
Mina §	Mineral	4,350	11	54.8	+1.8	84	13	20	26	45	22	0.55	+0.27	0.20	0	4	21	0	10	....	Southern Pacific Co.
Smith	Lyon	4,800	....	....	....	....	....	....	....	....	10	1.21	....	0.90	0	2	21	5	5	n.	C. M. Carter.
Thorne §	Mineral	4,200	5	54.6^{j}	+0.9	82^{j}	12	32^{j}	†25	34^{j}	5	T.	−0.23	T.	0	0	13^{j}	3^{j}	5^{j}	sw.	Southern Pacific Co.
Yerington §	Lyon	4,375	9	54.2	+5.5	86	12	19	26	51	9	0.80	+0.42	0.42	0	4	20	7	4	n.	W. H. Churchyard.
Shields Ranch, Cal.**		5,300	....	....	....	....	....	....	....	....	9	0.85	....	0.55	0	2	27	1	3	....	Bruce H. Chichester.
Colorado Basin.																					
Indian Springs §**	Clark	3,136	5	....	....	....	....	....	....	....	5	....	....	....	....	....	....	....	....	....	Ira MacFarland.
Las Vegas	do	2,033	16	67.2	+6.6	94	†1	37	26	44	16	0.28	−0.05	0.23	0	2	11	14	6	w.	C. P. Squires.
Logandale §	do	1,355	11	67.6^{d}	+2.1	98	2	36^{g}	27	42^{g}	19	0.43	−0.25	0.21	0	4	22	4	5	....	Bert Mills.
Minor Basins.																					
Beatty	Nye	3,309	2	61.6	....	91	13	27	26	45	2	0.27	....	0.17	0	3	22	5	4	s.	E. E. Palmer.
Duck Flat**	Washoe	4,725	....	....	....	....	....	....	....	....	4	0.63	....	0.25	0	4	22	1	8	sw.	C. T. Smith.
Gerlach	do	3,931	6	53.4	....	81	13	25	26	42	6	0.98	....	0.60	0	3	5	0	26	sw.	Western Pacific Co.
Goldfield	Esmeralda	5,700	11	53.5	+2.4	81	12	23	26	37	13	0.77	−0.07	0.43	T.	2	22	2	7	n.	R. W. Robinson.
Jungo	Humboldt	4,165	....	....	....	....	....	....	....	....	5	0.75	....	0.60	0	2	15	0	16	w.	Western Pacific Co.
Lemons Valley**	Washoe	5,000	....	....	....	....	....	....	....	....	4	0.97	....	0.50	T.	4	22	3	5	sw.	W. J. Webster.
McDermitt	Humboldt	4,700	7	51.2	+2.4	82	12	21	23	46	31	0.92	+0.02	0.42	0	6	23	8	0	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	8	51.6	+7.2	79	12	21	26	38	8	1.36	+0.64	0.66	2.0	6	14	7	10	e.	R. E. Middagh.
Millett	Nye	5,040	10	50.0	+3.4	78	†11	10	26	46	11	0.77	+0.24	0.45	0	4	15	4	12	n.	Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	6	52.7	+3.9	76	12	23	26	40	6	0.08	−0.23	0.08	0	1	16	12	3	s.	Arthur L. Stewart.
Pahrump	Nye	2,608	5	....	....	....	....	....	....	....	5	....	....	....	....	....	....	....	....	....	F. M. Buol.
Quinn Riv. Ranch**	Humboldt	4,850	16	....	....	....	....	....	....	....	17	....	....	....	....	....	....	....	....	....	F. M. Payne.
Rebel Creek	do	4,300	6	52.8	....	83	1	29	26	36	7	1.82	....	1.00	0	8	12	15	4	sw.	Fred Whitaker.
Sand Pass**	Washoe	4,198	5	54.8	....	82	13	29	26	41	5	0.85	....	0.62	0	3	20	4	7	e.	R. R. Mott.
Searchlight	Clark	3,445	5	66.2	....	90	†1	42	27	30	5	0.51	....	0.35	0	5	23	2	6	n.	C. L. Aug. Mahn.
Sharp	Nye	6,200	4	51.1	....	73	14	25	26	33	4	1.19	....	0.57	0	3	27	1	3	nw.	Pauline F. Youngs.
Sulphur	Humboldt	4,044	5	52.1	....	84	12	23	26	46	5	1.15	....	0.40	0	5	16	9	6	ne.	Western Pacific Co.
Tonopah	Nye	6,090	13	52.8	....	74	12	30	25	23	13	0.52	....	0.26	0.5	4	19	11	1	se.	U. S. Weather Bureau.
Vya	Washoe	5,500	....	....	....	....	....	....	....	....	5	0.89	....	0.45	0	6	24	5	2	w.	L. A. Mariette.
For the State			....	53.2	+3.1	98	2	10	26	53	....	0.98	+0.23	1.08	0.3	4	18	6	7	n.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Mahoney Ranger Station, Jarbridge; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of Lahontan, Hazen; of Shields Ranch Coleville, Cal.; of Duck Flat, Sunkist; of Oasis Ranch, Oasis, Cal.; of Lemmons Valley, Reno; of Quinn River Ranch, Amos; of Sand Pass, Flanigan.

Reference letters, ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing, for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for October, 1918.

Stations.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Columbia Basin.																																
Gold Creek (near)																																
Mahoney Ranger Station			.28			.45									.15	.15	T	1.00						[illegible]			.30					[illegible]
Owyhee			.18		.12	.48								T	.13			.05								.06	[illegible]	.06	T			[illegible]
San Jacinto		.12	.17		.10	.47			T							T	.18	.21									T					1.25
Tuscarora (near)		.47			.19	.31									.12	.02	.12	.02									.30					1.55
Humboldt Basin.																																
Arthur		.67	.29			.52										T	.37										T					1.85
Austin	T	T.	T											.21			.22	.08														0.51
Battle Mountain			.02		.01										.01																	0.04
Beowawe																		.10									.10					0.20
Clover Valley		.10		.47	.10																						.56					1.23
Elko			T			.30			.20						.10		.30										T					0.90
Eureka	.14	.17	.05		.38									.12			.90															1.76
Golconda	.30	T	.01		.15									.12	.15																	0.73
Hylton	.16	.18	.24		T.	.34			.51								.50	.23									.11					2.27
Imlay	.45	.25				T								.55	.40																	1.65
Lamoille ‖		T.	.06			.70									.11	.04	.03	.73							T			.08				1.75
Lovelock			.04												1.08																	1.12
Metropolis ‖																																
North Fork		.40			.40												.35					.12					.10					1.37
Paradise Valley			.27		.20										.58						.05											1.10
Potts																																
Tecoma					.06												.85															0.91
Winnemucca***	.06	.08	.05		.02									.09	.13												.02					0.45
Truckee Basin.																																
Franktown	.26	.04	.30		.01									.21	.03																	0.85
Marlette Lake ‖	.86	.24	.21		.56	T									.21				.22													2.30
Reno ***	.03	.20	.32		.01									.15	.04																	0.75
Tahoe, Cal. ‖	.71	.16	.48	.34	.03	.06			T.					T	.57	.66																3.01
Carson Basin.																																
Fallon ‖															.12	.20																0.62
Gardnerville	.40		.01											.03																		0.44
Lahontan																																
Markleeville, Cal	1.17														.22																	1.39
Walker Basin.																																
Mina	.08		.10												.20		.17															0.55
Smith	.90	T.	T.						.31	T.																						1.21
Thorne													T.	T.																		T.
Yerington	.42		.25											.09	.04																	0.80
Shields Ranch, Cal	.55								.30					T.																		0.85
Colorado Basin.																																
Indian Springs ‖																																
Las Vegas	.05			T.	.23														T	T												0.28
Logandale			.09	.21											.07					.06												0.43
Minor Basins.																																
Beatty	.03			.07										.17																		0.27
Duck Flat	.14		.21												.25	.03																0.63
Gerlach					.60										.35	.03																0.98
Goldfield	T.													.43		.34																0.77
Jungo		.15												.60																		0.75
Lemmons Valley		.01	.50					T.						.10	.36																	0.97
McDermitt		.08		.02											.42	.25									.03		.12					0.92
McGill	.06		.03	.04	.37			.20									.66								T.		T.					1.36
Millett					T.									.45	.18	.12		.02														0.77
Oasis Ranch														T			.08															0.08
Pahrump																																
Quinn River Ranch																																
Rebel Creek		.10	.24	.02	.10	.06									1.00	.23											.07					1.82
Sand Pass			.62											T	.20	.03																0.85
Searchlight				.03		T.								.04	.08					.35	.01											0.51
Sharp	.22			.40										.57																		1.19
Sulphur			.30		T.	.18								.40	.12	.15											T.					1.15
Tonopah***	.07				T.			T.						.28		.04	.13															0.52
Vya ‖		.08	.02		.11	.45									.20												.03					0.89

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight. T Trace, or less than 0.01 inch. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

Daily evaporation (inches) and wind movement (miles) for October, 1918.

(See temperature and precipitation data in climatological tables, pages 76 to 78.)

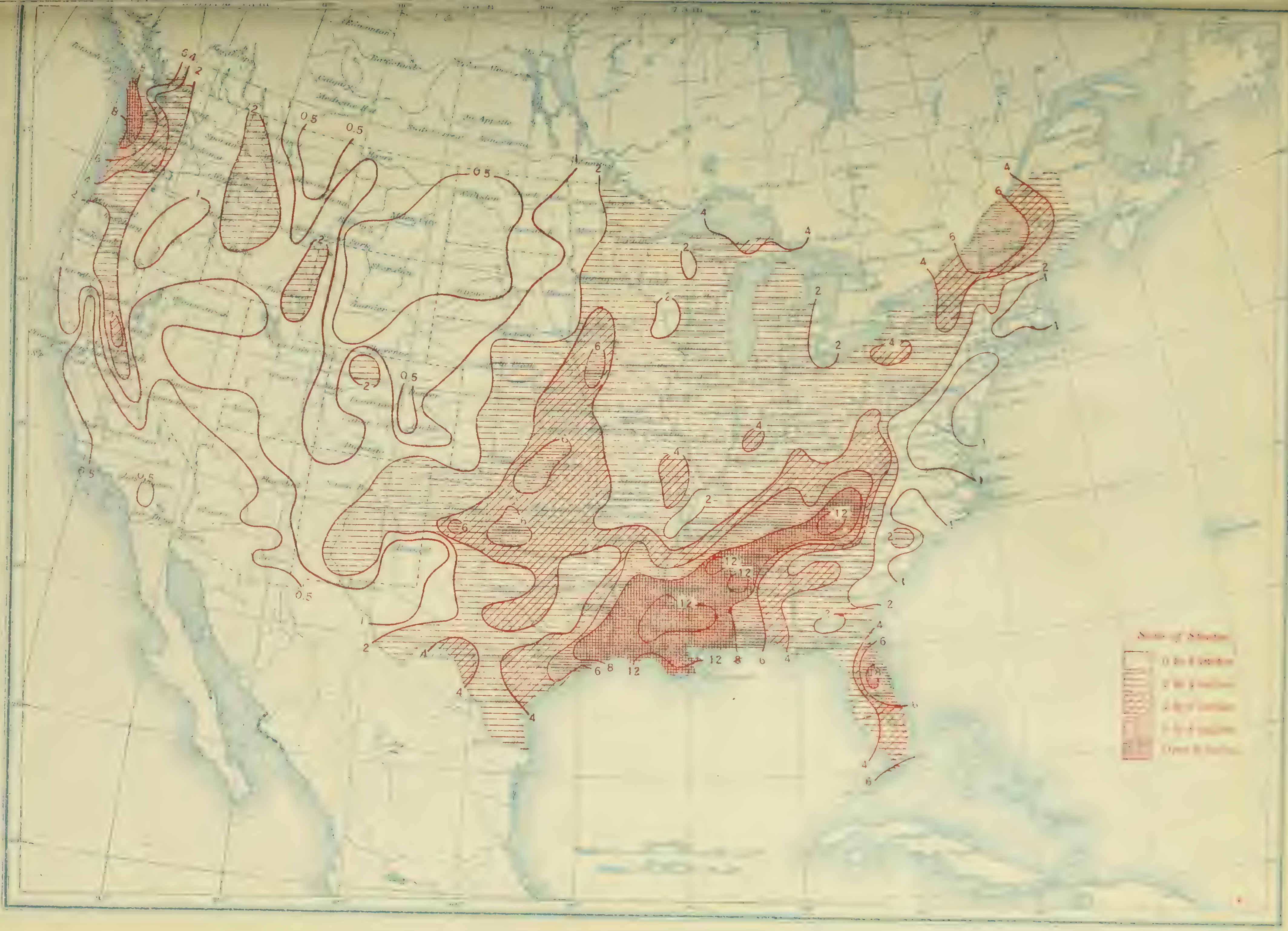
Stations.	Data.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Monthly.
Indian Springs*	Evaporation																																
	Wind movement																																
Marlette Lake*	Evaporation	.138	.887		‡	.165	.022	.114	‡	‡	.313	.172	.135	.105	.097	.129	‡	‡	‡	.220	.000	‡	.172	.047	.074								3.760
	Wind movement	36	17	44	‡	96	132	95	‡	‡	159	160	62	40	48	29	‡	‡	‡	730	367	‡	103	72	70	83							2,284
Lamoille*	Evaporation	.113	.048	.038	.101	.097	.118	.057	.112	.077	.120	.123	.183	.124	.209	.123	.098	.026			.188	.090	.013	.215	.105	.080	.196		.027	.079	.063	.087	3.222
	Wind movement	46	31	36	52	45	30	57	38	51	71	61	62	60	60	77	71	39	11	42	47	66	52	50	46	38	46	43	114	36	65	55	1.601
Tahoe, Cal.**	Evaporation	.025	.125	.120	.420	.170	.135	.105	.095	.090	.075	.065	.105	.135	.120	.040		.095	.075	.190		.145	.110	.095	.115	.120	.150	.135	.115	.080	.070	.040	3.255
	Wind movement	46	53	35	41	99	62	64	52	55	57	15	46	44	77	77	73	29	36	193	262	79	64	62	64	71	47	69	63	69	48	49	2.131

* Observations taken at 7 a. m.; ** at 8 a. m. ‡ Included in next following entry.

Daily temperatures for October, 1918.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek (near)	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Owyhee	Maximum	....	....	....	....	....	....	....	71	71	68	76	82	79	71	69	63	44	62	62	....	....	61	61	58	41	56	47	47	56	65	66	62.5
	Minimum	....	....	....	....	....	....	....	32	45	36	33	40	39	41	46	35	28	28	30	....	....	49	19	21	21	23	27	33	34	32	34	33.0
San Jacinto	Maximum	69	63	71	70	70	56	65	71	71	70	77	79	68	63	65	65	47	50	58	70	70	57	53	52	45	57	54	49	57	66	69	62.8
	Minimum	35	51	43	33	44	43	28	21	31	35	31	34	39	48	48	41	32	34	23	22	23	31	25	23	28	19	22	31	35	19	22	32.1
Humboldt Basin.																																	
Austin	Maximum	65	66	68	73	69	....	....	85	74	69	74	....	78	63	63	55	41	44	....	62	61	62	57	52	44	60	59	52	61	67	....	62.5
	Minimum	49	48	47	43	42	....	33	45	41	49	41	....	47	52	43	34	31	32	....	31	33	42	32	29	25	....	31	26	31	36	....	38.2
Battle Mountain	Maximum	74	76	77	77	75	76	71	76	76	76	82	83	84	85	62	63	64	64	64	65	67	67	69	69	72	71	71	68	66	69	72	72.0
	Minimum	48	49	50	51	47	40	32	35	39	40	32	36	36	36	50	39	40	37	38	34	30	30	27	25	23	19	18	30	32	28	27	35.4
Elko	Maximum	74	73	72	74	73	75	70	79	75	76	78	86	80	73	68	66	54	54	60	67	65	64	64	63	54	58	57	55	59	66	69	67.8
	Minimum	40	53	46	40	50	45	29	33	39	36	33	33	35	42	51	44	38	33	27	29	28	39	29	31	31	19	25	30	37	25	26	35.4
Eureka	Maximum	69	68	71	69	68	65	70	70	69	70	75	77	76	69	66	60	46	42	57	64	65	66	60	56	44	58	56	57	61	68	74	64.1
	Minimum	50	50	45	47	47	46	34	45	41	40	40	44	50	48	44	41	34	32	27	32	35	36	32	30	28	21	30	32	28	30	37	37.9
Imlay	Maximum	70	71	70	73	70	70	68	72	70	71	68	67	68	70	56	64	58	57	60	59	57	58	60	58	49	52	55	60	58	59	58	63.1
	Minimum	45	46	50	48	40	38	33	43	42	40	40	45	48	50	45	35	33	32	33	34	36	35	34	33	32	31	32	34	33	34	33	38.4
Lamoille	Maximum	67	63	67	69	69	54	60	63	67	61	70	76	74	69	61	40	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	64.4
	Minimum	45	46	44	42	42	40	33	33	40	44	44	44	42	46	44	39	34	31	28	28	30	39	30	30	28	24	26	32	34	32	33	36.4
Lovelock	Maximum	75	76	76	74	74	70	70	77	77	78	80	83	82	78	74	61	56	58	57	68	71	71	67	62	61	60	60	65	69	71	69	70.0
	Minimum	47	47	51	40	51	43	30	39	38	39	38	36	35	49	48	38	36	28	23	32	30	35	37	34	28	23	28	36	30	33	30	36.7
Metropolis	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Paradise Valley	Maximum	70	68	72	71	73	75	71	69	74	70	69	66	72	75	73	78	76	79	74	68	70	73	77	68	65	67	69	61	60	64	60	70.2
	Minimum	40	37	33	44	41	38	47	43	46	46	41	37	45	40	46	44	53	49	50	36	39	35	45	41	34	26	21	28	20	22	21	38.3
Potts	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Tecoma	Maximum	83	80	82	83	84	76	77	76	74	72	70	74	73	72	79	74	70	62	63	62	64	63	64	62	57	61	62	60	61	60	61	69.7
	Minimum	32	31	33	34	31	33	34	38	39	34	33	31	36	39	27	28	30	26	25	27	23	28	27	26	23	20	21	20	24	22	25	29.0
Winnemucca	Maximum	69	71	60	73	70	62	66	75	75	74	79	83	83	72	68	54	53	58	64	69	69	67	58	59	52	59	55	60	65	70	71	66.5
	Minimum	48	51	44	39	51	37	31	38	43	37	36	39	37	50	46	39	32	27	31	37	33	42	33	32	27	22	30	34	34	29	29	36.7
Truckee Basin.																																	
Marlette Lake	Maximum	57	50	....	52	....	52	....	....	50	60	62	64	58	53	....	....	....	50	42	.	57	51	43	49	38	51	....	....	....	....	....	52.2
	Minimum	41	43	41	....	39	....	38	....	....	36	37	40	40	38	36	....	....	....	19	31	....	34	32	31	24	23	31	....	....	....	....	34.4
Reno	Maximum	64	69	64	73	67	67	72	73	75	77	79	82	78	73	62	57	56	59	62	70	71	70	61	63	57	63	68	66	70	72	68	68.0
	Minimum	51	51	47	42	53	43	36	40	44	43	41	42	43	48	44	38	31	30	31	32	37	39	34	36	30	27	32	41	37	37	36	39.2
Tahoe, Cal	Maximum	55	59	54	62	58	59	61	64	64	63	72	68	68	64	48	45	49	58	55	62	61	59	57	58	50	55	61	60	61	60	65	59.2
	Minimum	42	46	45	39	40	35	32	32	35	35	36	35	36	37	41	27	28	26	28	31	30	30	30	29	25	26	25	30	33	32	31	33.1
Carson Basin.																																	
Fallon §§	Maximum	67	76	69	78	74	67	69	75	77	78	79	84	83	77	69	56	56	57	61	66	71	71	60	63	52	59	67	66	68	70	73	69.0
	Minimum	48	51	47	41	46	43	32	40	44	40	38	39	39	51	49	39	35	31	28	31	34	36	33	35	33	21	28	42	34	32	33	37.8
Gardnerville	Maximum	68	68	65	70	68	65	65	69	70	71	73	77	75	72	65	60	59	58	61	66	69	69	68	65	60	61	68	66	68	69	76	67.2
	Minimum	48	48	46	37	55	41	34	37	39	38	35	36	37	47	45	39	29	26	25	28	28	30	31	27	20	21	48	37	33	29	30	35.6
Lahontan	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Walker Basin.																																	
Mina	Maximum	68	79	78	76	80	82	78	78	72	77	82	81	84	82	70	68	57	54	60	68	73	71	70	63	64	63	63	66	70	74	75	71.8
	Minimum	50	51	46	44	41	50	37	45	38	37	48	46	41	37	47	39	37	34	37	31	30	35	34	31	25	20	23	30	35	32	35	37.7
Thorne	Maximum	....	....	....	....	....	....	....	....	....	....	80	82	80	78	72	65	65	64	64	68	68	70	68	64	64	62	68	68	68	70	68	69.3
	Minimum	....	....	....	....	....	....	....	....	....	....	50	51	49	52	46	44	40	38	42	36	38	38	35	34	32	32	36	34	36	38	34	39.8
Yerington	Maximum	66	75	73	78	77	70	72	79	78	79	81	86	85	71	70	62	60	60	65	71	71	75	62	65	58	60	76	72	73	75	78	71.7
	Minimum	50	48	43	39	52	44	33	39	42	39	41	35	60	51	45	38	30	28	28	31	29	35	29	28	25	19	25	36	34	29	29	36.6
Colorado Basin.																																	
Indian Springs	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Las Vegas	Maximum	94	93	94	89	89	88	88	89	89	84	84	82	80	77	82	84	80	70	80	78	79	80	80	82	79	75	72	78	82	84	85	82.9
	Minimum	60	61	62	62	60	58	56	58	54	54	56	59	60	54	54	50	50	54	59	48	49	45	44	42	42	37	47	42	42	40	42	51.6
Logandale	Maximum	96	98	76	85	86	91	91	95	91	92	93	97	97	81	87	87	78	79	78	72	77	81	85	82	74	74	74	80	79	86	83	84.7
	Minimum	....	....	....	....	....	....	....	62	56	52	53	56	57	58	59	55	46	56	62	55	50	46	50	43	50	42	36	40	41	44	44	50.5
Minor Basins.																																	
Beatty	Maximum	81	83	84	72	78	79	81	86	83	85	89	90	91	87	75	74	69	77	74	70	76	75	78	76	73	66	76	75	77	81	81	78.8
	Minimum	52	49	49	51	50	44	45	50	46	51	47	51	48	55	40	38	45	45	50	41	36	40	42	41	44	27	31	40	47	41	39	44.4
Gerlach	Maximum	78	74	70	68	69	71	70	72	76	85	76	80	81	80	76	58	56	60	61	67	69	69	65	66	63	56	63	65	67	68	70	69.1
	Minimum	49	52	39	35	37	38	34	35	40	40	38	38	40	49	48	34	38	30	31	32	38	44	40	39	38	25	31	33	35	33	34	37.6
Goldfield	Maximum	70	73	71	67	72	71	70	75	73	74	77	81	79	72	68	62	51	52	59	65	66	69	64	61	50	60	63	62	66	69	73	67.3
	Minimum	47	45	48	52	45	43	38	45	42	42	41	46	45	47	45	39	32	34	32	35	37	38	38	32	34	23	29	48	38	36	36	39.7
McDermitt	Maximum	73	74	61	68	70	62	70	78	75	73	78	82	80	74	66	60	48	46	75	74	68	61	58	56	58	59	50	55	65	67	70	66.3
	Minimum	46	48	47	41	44	38	30	32	41	44	44	46	46	45	47	34	30	28	32	34	34	41	21	29	23	27	25	30	27	30	37	36.2
McGill	Maximum	71	71	71	70	73	61	68	68	68	69	74	79	78	73	66	67	64	50	59	63	64	67	63	59	53	54	52	52	56	65	65	65.0
	Minimum	46	48	48	47	50	48	37	44	43	37	37	41	43	45	44	45	32	32	32	32	37	42	35	32	27	21	32	38	34	29	29	38.3
Millett	Maximum	70	74	75	71	73	70	72	72	71	73	78	61	78	67	64	60	48	50	60	68	68	70	63	60	53	56	61	61	64	68	75	66.2
	Minimum	50	48	43	44	43	48	28	36	33	30	35	32	32	46	44	39	35	34	27	27	25	28	29	32	34	10	20	46	23	24	24	33.8
Oasis Ranch	Maximum	65	72	71	70	69	73	75	71	67	75	75	76	75	70	66	63	54	53	62	62	64	65	67	60	61	58	65	68	66	67	70	66.9
	Minimum	50	45	46	54	50	42	39	40	41	42	38	39	41	44	47	38	33	38	32	35	32	33	35	30	34	23	25	46	40	30	33	38.5
Rebel Creek	Maximum	83	69	63	68	65	61	66	74	73	71	77	80	78	79	66	62	51	56	62	66	65	62	56	58	50	56	52	55	64	66	67	65.2
	Minimum	47	52	49	42	47	41	38	40	43	42	44	47	43	45	49	39	35	38	33	37	41	46	30	31	30	29	39	34	40	43	36	40.3
Sand Pass	Maximum	74	73	65	73	66	63	78	72	76	75	78	80	82	74	67	62	59	61	66	68	70	68	61	63	54	58	68	64	68	69	71	68.6
	Minimum	50	50	51	43	55	46	37	40	44	43	44	41	46	51	49	34	32	34	37	40	41	46	31	36	31	29	37	40	41	37	37	41.1
Searchlight	Maximum	90	90	81	82	74	80	82	82	82	80	83	87	89	79	79	78	69	65	66	69	68	70	76	77	64	60	72	74	75	75	79	76.7
	Minimum	60	62	60	58	60	55	57	61	60	64	65	67	64	64	60	56	46	48	54	49	47	50	54	53	50	43	42	53	50	55	61	55.7
Sharp	Maximum	70	67	68	64	63	62	66	64	67	67	68	68	70	73	65	62	63	53	56	58	61	62	65	64	62	58	56	67	58	60	65	63.6
	Minimum	11	41	44	51	46	42	34	52	39	46	39	43	48	51	45	35	35	33	33	32	34	33	47	35	32	25	28	42	28	30	33	38.6
Sulphur	Maximum	76	75	67	71	71	62	66	72	75	74	77	84	81	80	70	56	53	60	64	68	70	68	67	60	58	58	62	60	67	68	70	68.1
	Minimum	45	48	49	46	43	45	33	35	37	41	37	38	40	43	47	34	32	31	31	33	35	35	26	29	25	23	30	32	31	32	32	36.1
Tonopah	Maximum	63	67	67	64	66	63	66	70	66	69	72	74	72	66	59	55	46	50	55	58	61	62	58	55	46	53	56	56	60	64	68	61.5
	Minimum	52	49	50	50	50	48	43	54	51	50	53	56	55	46	45	32	32	33	32	40	46	44	40	39	30	32	40	42	41	43	48	44.1

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


0.5
1
2
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WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

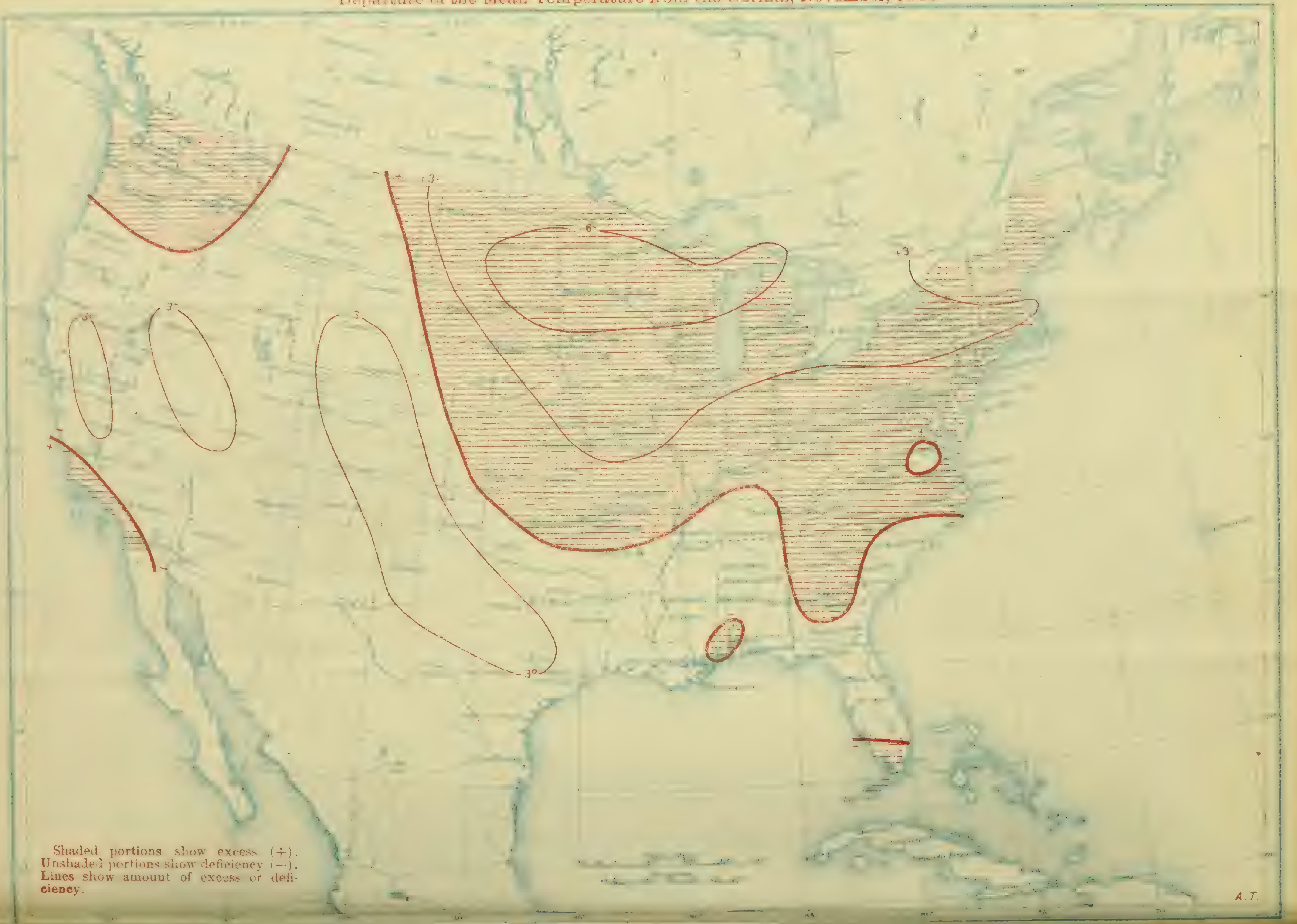
NEVADA SECTION

NOVEMBER, 1918

BY
HENRY F. ALPS
METEOROLOGIST

RENO, NEV.
WEATHER BUREAU OFFICE
DECEMBER 24, 1918.

Departure of the Mean Temperature from the Normal, November, 1918.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALPS, Meteorologist.

Vol. XXXIII. Reno, Nevada, November, 1918. No. 11.

GENERAL SUMMARY.

The temperature and precipitation averaged less than normal for the entire State, the amount of moisture being about 82 per cent of the November normal. The precipitation fell during three storms which occurred on or near the 5th, 15th, and 23d. The dryest area extends from Mineral to Clark County, and the wettest areas were in the Lake Tahoe and upper Truckee Basins, and in the mountain sections of Elko County. The precipitation was light in the Carson and Walker River Basins. The snowfall in the mountains was moderate. Temperatures were about normal, except during the first and last week of the month when they were several degrees below the seasonal average. These cold periods materially lowered the monthly average temperature. The first killing frost of the season occurred in the agricultural valleys of Clark County on the 7th, and at Searchlight on the 27th. Gales with dust and sand storms were reported at a number of stations on the 3d.

Farm work went forward until the last week of the month when it was ended by cold weather. Some plowing was done and winter wheat in the extreme south portion was up and in a thriving condition. The moisture improved pastures in the foothills and valleys. Cattle were going to winter ranges and feeding stations in good condition, except that they were thin in some of the northern districts because of the extended summer drouth. Sheep were being moved south to winter ranges in strong and healthy condition.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 39 stations, was 37.7°. The mean for the 27 stations having ten or more years' record was 2.3° below normal. The highest recorded was 87°, at Logandale on the 3d; the lowest was —12°, at Potts on the 28th. The greatest daily range was 61°, at Gerlach on the 26th. The highest monthly mean was 51.8°, at Logandale; the lowest was 29.6°, at Marlette Lake.

PRECIPITATION.

The average for 48 stations reporting was 0.57 inch. For the 29 stations having ten or more years' record, the mean was 0.12 inch below the normal. The average amount at 4 stations in the Columbia Basin was 1.01 inches; at 16 stations in the Humboldt Basin, 0.72 inch; at 2 stations in the Truckee Basin, 1.42 inches; at 3 stations in the Carson Basin, 0.26 inch; at 4 stations in the Walker Basin, 0.13 inch; at 2 stations in the Colorado Basin, 0.32 inch; at 17 stations in the minor basins, 0.40 inch. The greatest monthly fall was 2.46 inches, at Marlette Lake; the least was a trace, at Mina and Oasis Ranch. The average number of days with precipitation was 3.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric pressure (sea level). Mean.	Highest.	Lowest.	Mean relative humidity. 5 a. m.	5 p. m.	Wind. Average hourly velocity	Max. velocity. Miles per hour	Direc.	Date
Reno	30.09	30.57	29.51	76	44	5.1	41	se.	3
Winnemucca	30.14	30.66	29.47	82	58	6.2	42	sw.	3
Tonopah	30.06	30.52	29.53	38	56	9.5	36	nw.	24

SUNSHINE AND CLOUDINESS.

At Reno, 56 per cent of the possible sunshine was recorded; at Winnemucca, 65 per cent; at Tonopah, 67 per cent. For the State, the average number of clear days was 15; partly cloudy, 5; cloudy, 10.

MISCELLANEOUS PHENOMENA.

(Dates of).

Aurora.—3.
Brisk winds.—2, 3, 4, 10, 14, 15, 17, 18, 22, 23, 24, 25, 27, 30.
Fog.—19.
Hail.—4.
Lunar halos.—12, 14.
Mock sun.—29.
Sleet.—4, 5, 23.
Solar halos.—26, 30.

COMPARATIVE DATA FOR NOVEMBER.

Year.	Temperature. Mean.	Highest.	Lowest.	Average precipitation.	Average snowfall.	Number of days. With precipitation.	Clear.	Partly cloudy.	Cloudy.	Prevailing wind.
1889	39.6	81	4	1.08	1.3	3	15	6	9	s.
1890	40.9	86	5	0.18	0.9	1	23	4	3	nw.
1891	41.3	81	− 2	0.09	T.	1	15	9	6	n.
1892	38.7	76	−13	2.08	7.4	3	13	9	8	s.
1893	38.2	74	− 8	0.83	2.9	4	14	5	11	sw.
1894	43.7	83	−12	0.08	0.5	0	20	7	3	w.
1895	35.9	80	−10	0.67	5.2	4	12	8	10	w.
1896	35.6	79	−23	1.10	2.6	4	10	7	13	sw.
1897	40.3	77	− 6	0.69	2.8	3	12	8	10	w.
1898	35.1	77	−10	1.10	4.1	4	15	6	9	w.
1899	40.8	73	3	0.50	8.0	3	11	7	12	w.
1900	40.7	78	1	1.34	6.5	5	13	6	11	sw.
1901	43.1	80	12	0.53	0.2	2	14	9	7	sw.
1902	37.2	82	− 3	1.25	8.0	5	12	7	11	sw.
1903	41.8	89	4	0.67	0.2	2	15	8	7	s.
1904	41.8	80	2	0.06	T.	0	16	8	6	w.
1905	36.4	88	−10	1.11	10.6	4	16	5	9	n.
1906	35.5	83	−22	0.93	7.7	4	10	8	12	n.
1907	40.2	78	− 1	0.21	1.7	1	20	5	5	w.
1908	38.3	83	−13	0.15	0.8	1	18	7	5	w.
1909	40.1	86	−10	0.51	7.5	5	11	8	11	w.
1910	42.2	80	− 8	0.46	0.5	2	13	8	9	w.
1911	36.7	76	− 9	0.26	1.5	2	19	6	5	w.
1912	39.9	78	3	0.60	1.2	3	18	6	6	w.
1913	40.3	83	− 5	1.28	2.7	6	12	7	11	w.
1914	41.6	88	−11	0.03	0.2	0	22	5	3	w.
1915	40.1	88	− 7	0.47	3.0	3	11	9	10	w.
1916	35.5	82	−13	0.34	2.8	2	19	6	5	sw.
1917	43.4	86	1	0.52	1.0	3	16	5	9	sw.
1918	37.7	87	−12	0.57	5.4	3	15	5	10	n.
Entire period	39.4	89	−23	0.66	3.2	3	15	7	8	w.

Climatological data for November, 1918.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days.				Prevailing direction of the wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	5	......	......	......	......	......	......	....	5									......	U. S. Forest Service.
Mahoney Ran. Sta.**	do	6,200	3	......	......	......	......	......	......	....	3	1.03	......	0.75	12.0	4	16	0	14	......	Do.
Owyhee	do	5,400	7	34.7[c]	......	64[c]	2	6[c]	27	40[c]	7	1.34	......	0.39	12.5	9	13[c]	3[c]	11[c]	s.	E. A. Schwab.
San Jacinto	do	5,200	13	32.0	−1.5	64	2	−3	26	46	13	0.42	−0.23	0.22	4.0	4	15	2	13	n.	Utah Construction Co.
Tuscarora (near)	do	......	......	......	......	......	......	......	......	....	10	1.23	......	0.38	17.2	6	11	5	14	w.	D. B. Williams.
Humboldt Basin.																					
Arthur	Elko	6,500	......	......	......	......	......	......	......	....	8	0.72	−0.57	0.38	7.7	3	22	3	5	......	Isaac Woodhouse.
Austin	Lander	6,594	29	33.8[b]	−5.2	71[b]	1	1[b]	†26	46[b]	29	2.00	+1.36	0.56	33.5	7	17	2	11	w.	Forest Service.
Battle Mountain	do	4,513	47	34.2	−3.2	68	1	−10	28	45	49	0.40	−0.11	0.40	4.0	1	14	3	13	n.	Southern Pacific Co.
Beowawe	Eureka	4,695	47	35.2	−1.3	70	1	−10	26	46	49	0.52	−0.09	0.24	6.4	4	16	8	6	s.	Do.
Clover Valley**	Elko	6,000	17	34.4[c]	−2.4	72[c]	1	−5[c]	26	47[c]	25	0.65	−1.12	0.45	7.5	2	10	8	12	......	J. D. Weeks.
Elko	do	5,063	47	35.6	+1.2	69	1	−11	26	47	48	0.80	−0.12	0.80	5.0	1	14	11	5	w.	Western Pacific Co.
Eureka	Eureka	6,837	20	35.1	−4.2	70	1	−1	26	36	22	0.46	−0.27	0.25	7.2	6	13	2	15	n.	Clay Simms.
Golconda	Humboldt	4,392	39	33.4	−6.0	68	1	−3	27	39	41	0.72	−0.39	0.24	9.0	3	7	18	5	w.	Southern Pacific Co.
Hylton **	Elko	7,081	......	......	......	......	......	......	......	....	8	......	......	......	......	......	......	......	......	......	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	5	36.4	−3.5	60	†2	−6	28	39	5	0.52	+0.19	0.48	6.5	2	23	3	4	n.	Southern Pacific Co.
Lamoille	Elko	6,100	3	......	......	......	......	3	26	....	3	2.05	+0.78	0.52	......	7	17	0	13	se.	Elko-Lamoille Power Co.
Lovelock	Humboldt	3,977	24	35.6	−6.2	70	1	2	28	44	22	0.39	+0.16	0.36	3.0	2	16	1	13	s.	Harold W. B. Baker.
Metropolis §	Elko	5,661	5	......	......	......	......	......	......	....	9	......	......	......	......	......	......	......	......	......	L. F. Hatch.
North Fork	do	6,500	......	......	......	......	......	......	......	....	9	0.43	......	0.18	9.0	4	7	12	11	s.	Roy C. Pratt.
Paradise Valley	Humboldt	4,500	5	34.7[e]	......	62[e]	3	−4[e]	27	46[e]	9	0.28	......	0.28	4.1	1	11[e]	4[e]	10[e]	nw.	F. C. Buckingham.
Potts	Nye	6,002	25	38.8[b]	+4.8	78[c]	4	−12	28	52[c]	27	0.48	+0.09	0.24	6.0	5	13	3	14	n.	Miss Irene Potts.
Tecoma	Elko	4,812	40	31.8	−2.4	70	1	−2	26	48	42	0.32	−0.04	0.16	4.0	3	12	10	8	n.	Southern Pacific Co.
Winnemucca	Humboldt	4,344	41	37.5	−3.3	69	2	−6	28	44	49	0.77	+0.03	0.52	9.3	7	12	6	12	sw.	U. S. Weather Bureau.
Truckee Basin.																					
Franktown††	Washoe	5,054	2	......	......	......	......	......	......	....	2	......	......	......	......	......	......	......	......	......	Agent V. & T. Ry.
Marlette Lake**	do	7,900	3	29.6[b]	......	59[b]	2	4[c]	27	29[c]	5	2.46	......	0.68	25.8	8	12[c]	4[c]	11[c]	sw.	V. & G. H. Water Co.
Reno	do	4,532	31	41.0	−1.9	70	2	13	28	39	31	0.37	−0.72	0.18	T.	3	14	8	8	w.	U. S. Weather Bureau.
Tahoe, Cal	......	6,230	10	32.8	......	64	1	5	28	42	10	2.97	......	0.91	22.5	8	10	4	16	sw.	Mrs. Emma C. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	24	37.8	−1.9	70	2	10	28	46	24	0.23	−0.05	0.14	T.	2	15	6	9	n.	U.S. Experiment Station.
Gardnerville	Douglas	4,830	27	40.3[a]	−2.5	72[a]	1	8[a]	28	47[a]	28	0.31	−1.26	0.27	0.6	2	18[a]	8[a]	3[a]	w.	Forest Service.
Lahontan **	Churchill	4,200	6	41.2	......	72[a]	1	16	†28	40[a]	8	0.25	......	0.20	0	2	14	8	8	ne.	U.S. Reclamat'n Service.
Markleeville, Cal	......	5,525	......	......	......	......	......	......	......	....	9	0.77	......	0.22	5.0	5	13	9	8	s.	Mrs. Mary Thornburg.
Walker Basin.																					
Mina §	Mineral	4,350	11	38.0[a]	−5.7	78	1	9[b]	11	56[b]	22	T.	−0.17	T.	T.	0	15	0	15	......	Southern Pacific Co.
Smith	Lyon	4,800	......	......	......	......	......	......	......	....	10	0.32	......	0.25	1.5	2	12	12	6	n.	C. M. Carter.
Thorne §	Mineral	4,200	5	42.2	−2.0	72	10	12	26	42	5	0.07	−0.27	0.05	0.2	2	8	15	7	w.	Southern Pacific Co.
Yerington §	Lyon	4,375	9	40.2[b]	+1.2	76[b]	2	8[b]	31	55[b]	9	0.12	−0.26	0.12	2.5	1	9[b]	7[b]	6[b]	n.	W. H. Churchyard.
Shields Ranch, Cal. **	......	5,300	......	......	......	......	......	......	......	....	9	1.05	......	0.50	6.5	5	17	6	7	n.	Bruce H. Chichester.
Colorado Basin.																					
Indian Springs §**	Clark	3,136	5	......	......	......	......	......	......	....	5	......	......	......	......	......	......	......	......	......	Ira MacFarland.
Las Vegas	do	2,033	16	51.4	+1.9	84	†1	23	30	50	16	0.53	+0.20	0.30	0	3	20	4	6	s.	C. P. Squires.
Logandale §	do	1,355	11	51.8	−1.2	87	3	23	29	51	19	0.12	−0.36	0.12	0	1	21	6	3	......	Bert Mills.
Minor Basins.																					
Beatty	Nye	3,309	2	45.8	......	80	1	21	†28	50	2	0.15	......	0.05	0	5	19	4	7	n.	E. E. Palmer.
Duck Flat **	Washoe	4,725	......	......	......	......	......	......	......	....	4	0.50	......	0.28	4.0	3	11	11	8	sw.	C. T. Smith.
Gerlach	do	3,931	6	41.4	......	74	23	2	†28	61	6	0.32	......	0.32	4.0	1	14	3	13	n.	Western Pacific Co.
Goldfield	Esmeralda	5,700	11	39.0	−1.8	76	3	9	28	38	13	0.03	−0.33	0.03	T.	1	19	0	11	n.	R. W. Robinson.
Jungo	Humboldt	4,165	......	......	......	......	......	......	......	....	5	......	......	......	......	......	8	0	22	w.	Western Pacific Co.
Lemons Valley **	Washoe	5,000	......	......	......	......	......	......	......	....	4	0.49	......	0.30	1.0	5	15	5	10	sw.	W. J. Webster.
McDermitt	Humboldt	4,700	7	33.8	−3.7	67	1	0	28	33	31	0.80	−0.09	0.32	7.0	5	18	11	1	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	8	35.0	−0.5	69	2	1	28	37	8	0.94	+0.16	0.40	7.7	4	7	10	13	s.	R. E. Middagh.
Millett	Nye	5,040	10	32.9	−3.6	72	1	−4	28	56	11	0.65	+0.43	0.65	6.0	1	16	0	14	s.	Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	6	38.4	+0.8	70	1	11	30	41	6	T.	−0.36	T.	T.	0	19	7	4	n.	Arthur L. Stewart.
Pahrump	Nye	2,608	5	......	......	......	......	......	......	....	5	......	......	......	......	......	......	......	......	......	F. M. Buol.
Quinn Riv. Ranch **	Humboldt	4,850	16	31.0[p]	−7.3	60[p]	21	−5[p]	28	52[p]	17	0.58	+0.02	0.43	......	2	7[p]	1[p]	6[p]	s.	F. M. Payne.
Rebel Creek	do	4,300	6	36.5	......	63	2	7	28	32	7	0.92	......	0.25	7.7	8	11	10	9	sw.	Fred Whitaker.
Sand Pass **	Washoe	4,198	5	37.8	......	67	1	10	28	39	5	0.71	......	0.42	......	4	13	4	13	e.	R. R. Mott.
Searchlight	Clark	3,445	5	51.2	......	79	†1	30	†28	26	5	0.15	......	0.08	0	2	20	2	8	n.	C. L. Aug. Mahn.
Sharp	Nye	6,200	4	36.4	......	68	1	10	28	38	4	0.28	......	0.16	3.5	2	18	0	12	nw.	Pauline F. Youngs.
Sulphur	Humboldt	4,044	5	34.8	......	68	1	3	†26	41	5	0.16	......	0.16	2.0	1	13	7	10	ne.	Western Pacific Co.
Tonopah	Nye	6,090	13	41.2	......	66	1	7	28	22	13	0.13	......	0.08	1.4	3	16	7	7	se.	U. S. Weather Bureau.
Vya	Washoe	5,500	......	......	......	......	......	......	......	....	5	0.05	......	0.04	0.5	2	18	3	9	w.	L. A. Mariette.
For the State	......	......	....	37.7	−2.3	87	3	−12	28	61	....	0.57	−0.12	0.80	5.4	3	15	5	10	n.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Mahoney Ranger Station, Jarbridge; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of Lahontan, Hazen; of Shields Ranch, Coleville, Cal.; of Duck Flat, Sunkist; of Oasis Ranch, Oasis, Cal.; of Lemmons Valley, Reno; of Quinn River Ranch, Amos; of Sand Pass, Flanigan.

Reference letters, a, b, c, appearing in the table indicate number of days missing, for example, b represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for November, 1918.

Stations.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Columbia Basin.																																
Gold Creek (near)																																
Mahoney Ranger Station ‖‖					T.	.75								T.	.12								T	.05			.11					1.03
Owyhee				.05	.39	.19		.20	.11						.07							.27	T			.04			.02			1.31
San Jacinto				T		.22									.10									.06			.01					0.42
Tuscarora (near)				.22	.28	.14									.07								.14	.38								1.23
Humboldt Basin.																																
Arthur					.25										.09								T	.38			T					0.72
Austin				.07	T.	.02									T.				.14				.55	.55	.56	.11						2.00
Battle Mountain				T.	T.	T.																		.40								0.40
Beowawe					.02	.02																	.24	.24								0.52
Clover Valley															.20								.45				T					0.65
Elko																								.80			T					0.80
Eureka				.05		.03									.02				T.				.08	.25			.03					0.46
Golconda			T.	T.	T.	.24									T.								.24	.24								0.72
Hylton																																
Imlay														T.									.48	.04								0.52
Lamoille ‖‖				.33	.27											.35			.30					.52	.15		.13	T.				2.05
Lovelock				T.	T.	.03								T.	T.				T.					.36								0.39
Metropolis ‖‖																																
North Fork						.03									.14	.08								.18								0.43
Paradise Valley				T.																			.28									0.28
Potts					T.	T												.04					.24	.04			.08	.08				0.48
Tecoma						.08																	.16				.08					0.32
Winnemucca***				.04	.06	.09								T.	.03			T.					.52	.02	T.	.01	T.					0.77
Truckee Basin.																																
Franktown																																
Marlette Lake ‖‖				.42											.47	.03		.28					.24	.68	T.			.34				2.46
Reno ***			T.	T.	T.	T.									.18			T.	.04				.15		T.	T.	T.					0.37
Tahoe, Cal. ‖‖				.77	.05										.73	.18			.24				.06	.91	T.		.03					2.97
Carson Basin.																																
Fallon ‖‖															.09				T.				*	.14			T.					0.23
Gardnerville				.04															.27								T.					0.31
Lahontan					T.	T.									T.								.20				.05					0.25
Markleeville, Cal			.22	.20										.03									.22				.10					0.77
Walker Basin.																																
Mina																											T.					T.
Smith			T.																				.25	T.			.07	T.				0.32
Thorne					.02														.05				T.	T.			T.					0.07
Yerington					.12																											0.12
Shields Ranch, Cal				.15	.08									T.				.02					.50				.30					1.05
Colorado Basin.																																
Indian Springs ‖‖																																
Las Vegas													.30	.22				T.						.01			T					0.53
Logandale																								.12								0.12
Minor Basins.																																
Beatty				.02	.03								.02	.03				.05														0.15
Duck Flat			.08												.14								.28									0.50
Gerlach																								.32								0.32
Goldfield					T.								.03	T.				T.	T.					T.			T.					0.03
Jungo																																
Lemmons Valley			.02	T.											.30				.03				T.	.12			.02					0.49
McDermitt			.02	.10	.08	.02								.02									.32	.16	.08							0.80
McGill				.22	T.		T.								.02				T.				.40	.30			T.					0.94
Millett															T.								.65									0.65
Oasis Ranch				T.																												T.
Pahrump																																
Quinn River Ranch																							.43	.15								0.58
Rebel Creek				.08	.04	.24								T.	.06								.25	.12	.08		.05					0.92
Sand Pass			T.	.03											.22								.42	.04								0.71
Searchlight													.08					T.						.07								0.15
Sharp				.16																			.12									0.28
Sulphur				T.																			.16									0.16
Tonopah***				T.									.01						T.				T.	.04	T.		.08					0.13
Vya ‖‖															.01								.04									0.05

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

Daily evaporation (inches) and wind movement (miles) for November, 1918.

(See temperature and precipitation data in climatological tables, pages 84 to 86.)

Stations.	Data.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Monthly.
Indian Springs*	Evaporation																																
	Wind movement																																
Marlette Lake*	Evaporation																																
	Wind movement																																
Lamoille*	Evaporation																																
	Wind movement	54	60	45	61	37	17	37	14	91	53	58	48	51	43	78	76	48	23	29	43	38	36	39	18	22	40	26	35	38	37	....	1,295
Tahoe, Cal. **	Evaporation	.105	.135	.070	.030	.060	.155	.055	.110	.065	.065	.145	.095	.065	.115	....	.025	.115	.120	....	.135	.075	.125	.045	....	.020	....	.060	.070	.070	.095	....	2.567
	Wind movement	46	78	50	189	113	73	58	54	52	62	69	46	34	48	108	116	46	56	85	68	39	49	59	58	74	344	88	55	68	63	....	2,348

* Observations taken at 7 a. m.; ** at 8 a. m. ‡ Included in next following entry.

Daily temperatures for November, 1918.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek (near)	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Owyhee	Maximum	61	64	59	53	39	40	39	46	48	60	56	63	59	53	48	42	48	....	....	49	49	31	27	28	24	22	24	....	38	42	....	44.9
	Minimum	34	24	48	29	29	25	12	23	36	38	27	26	28	38	29	26	28	....	....	27	16	25	21	15	8	13	6	....	21	10	....	24.5
San Jacinto	Maximum	60	64	61	54	38	33	42	50	52	61	55	61	55	54	47	43	43	50	50	50	52	38	32	32	32	32	33	29	39	47	....	46.3
	Minimum	26	18	31	29	25	18	2	12	21	17	23	20	20	28	30	26	28	31	24	18	12	12	2	21	7	0	14	0	11	13	....	17.8
Humboldt Basin.																																	
Austin	Maximum	71	66	62	50	32	34	42	52	59	....	64	64	50	52	55	50	47	....	42	47	48	48	42	32	29	29	24	28	34	58	....	46.8
	Minimum	39	37	34	21	17	18	15	20	26	....	30	36	37	28	30	19	17	....	14	16	22	25	20	18	10	1	11	1	8	12	....	20.8
Battle Mountain	Maximum	68	66	65	66	50	43	46	52	53	55	60	65	59	57	50	49	51	51	53	54	54	55	56	57	35	29	30	30	31	31	....	50.7
	Minimum	23	28	30	31	27	23	16	18	18	19	20	20	22	24	35	26	20	21	19	18	18	16	15	15	23	−4	2	−10	−1	−1	....	17.7
Elko	Maximum	69	67	67	65	68	65	65	60	58	60	64	63	61	59	53	49	47	48	50	50	52	46	43	41	38	33	31	32	33	36	....	52.4
	Minimum	26	23	24	30	32	23	23	13	25	27	23	20	25	23	33	23	21	26	32	25	19	21	23	13	14	−11	2	−8	−5	−5	....	18.7
Eureka	Maximum	70	68	59	53	33	39	39	45	58	59	64	61	54	55	46	47	44	46	40	43	49	45	45	35	27	33	25	22	36	44	....	46.1
	Minimum	39	32	39	24	20	25	17	17	30	31	30	35	37	30	31	22	31	33	32	21	21	21	24	25	19	−1	9	0	15	12	....	24.0
Imlay	Maximum	59	60	58	55	49	55	56	48	55	56	44	50	55	60	50	51	44	49	54	54	54	50	39	40	35	33	32	30	35	39	....	48.8
	Minimum	32	33	31	30	30	29	28	31	30	31	27	30	28	33	28	27	25	27	19	15	19	28	26	29	22	21	20	−6	7	6	....	24.5
Lamoille	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	45	35	32	26	18	22	16	20	22	30	31	28	30	31	28	25	21	25	31	25	25	23	16	16	12	3	18	4	18	12	....	22.9
Lovelock	Maximum	70	68	65	50	43	41	45	55	58	62	63	64	62	56	51	51	50	49	54	55	55	47	42	44	36	34	31	34	39	42	....	50.5
	Minimum	29	27	30	22	18	30	11	13	18	18	24	21	29	21	34	21	20	34	22	19	17	26	26	24	14	5	25	2	10	11	....	20.7
Metropolis	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Paradise Valley	Maximum	61	60	62	60	59	57	51	61	59	57	47	50	55	57	54	52	56	....	....	....	....	....	57	60	46	41	30	33	29	36	....	51.6
	Minimum	39	25	23	22	20	18	17	15	21	30	17	21	25	20	16	14	17	....	....	....	....	....	22	24	25	12	−4	2	0	4	....	17.8
Potts	Maximum	74	70	72	78	64	58	62	60	64	66	68	60	58	56	60	62	54	56	60	58	56	50	48	38	28	35	44	....	....	....	....	57.7
	Minimum	30	28	26	30	25	28	30	30	28	29	30	25	20	26	22	24	20	31	30	28	25	20	18	15	12	−10	−8	−12	−3	−2	....	19.8
Tecoma	Maximum	70	68	69	68	53	44	47	45	47	50	48	56	54	51	52	50	49	52	50	51	48	51	43	44	36	35	39	32	40	43	....	49.5
	Minimum	22	23	21	22	20	19	15	12	14	16	13	15	12	11	13	12	10	20	18	19	17	15	0	14	0	−2	12	−1	20	18	....	14.0
Winnemucca	Maximum	67	69	61	40	40	41	45	52	56	65	58	63	58	53	49	50	50	52	54	53	53	44	31	37	35	30	32	30	37	38	....	48.1
	Minimum	28	25	32	24	23	24	20	19	22	22	27	24	27	24	28	25	25	31	22	17	18	26	26	27	9	0	2	−6	9	10	....	20.3
Truckee Basin.																																	
Marlette Lake	Maximum	57	59	37	....	....	38	35	41	42	43	50	50	42	34	25	40	44	39	40	40	46	48	32	28	34	34	23	26	38	44	....	39.6
	Minimum	....	29	30	20	....	....	19	15	22	28	29	27	29	27	22	19	21	24	21	15	18	23	29	14	12	5	6	3	4	16	....	19.5
Reno	Maximum	70	70	57	44	42	42	50	56	61	66	64	64	58	53	45	51	49	48	53	55	54	55	40	39	38	39	34	39	46	51	....	51.1
	Minimum	35	32	33	31	29	30	22	20	26	27	28	26	36	29	33	25	30	31	32	27	25	31	34	30	23	16	21	13	18	20	....	27.1
Tahoe, Cal	Maximum	64	61	44	35	36	41	43	47	52	54	57	55	46	39	35	45	40	41	45	47	49	49	37	31	30	40	28	39	49	48	....	44.2
	Minimum	31	28	29	25	16	20	20	18	19	25	25	26	27	26	28	17	17	26	31	22	22	22	28	16	16	14	17	5	7	15	....	21.3
Carson Basin.																																	
Fallon §§	Maximum	69	70	64	50	44	43	50	55	60	68	61	61	63	58	52	51	52	51	53	54	53	52	37	42	37	37	35	27	39	43	....	51.0
	Minimum	32	30	34	28	26	22	20	16	23	22	24	20	31	27	31	28	24	35	33	20	20	27	33	31	24	11	27	10	12	15	....	24.5
Gardnerville	Maximum	72	69	65	68	57	57	55	55	61	67	63	62	61	56	57	56	55	53	53	57	56	57	54	....	50	42	40	47	44	51	....	56.5
	Minimum	28	28	35	30	29	20	18	15	18	20	21	17	35	23	35	19	23	24	35	37	30	24	33	....	25	10	30	8	12	16	....	24.1
Lahontan	Maximum	72	61	60	43	43	51	56	61	69	63	64	65	57	52	53	51	51	58	57	56	53	43	42	39	40	35	39	42	47	....	....	52.5
	Minimum	37	39	43	33	28	28	24	25	29	34	33	30	40	38	37	26	30	34	35	29	29	35	32	32	26	17	24	16	16	19	....	29.9
Walker Basin.																																	
Mina	Maximum	78	75	74	44	45	46	48	52	53	47	65	59	64	65	62	55	55	56	53	53	55	58	53	53	44	44	40	46	51	52	....	54.8
	Minimum	37	34	23	26	22	21	23	10	16	....	9	13	21	23	32	17	31	33	35	20	20	20	20	20	10	10	....	21	13	11	....	21.1
Thorne	Maximum	64	66	64	68	62	68	58	56	60	72	68	70	68	68	60	58	58	52	48	52	50	52	48	46	46	44	36	34	32	30	....	55.3
	Minimum	36	38	34	36	32	36	26	22	36	36	30	28	32	34	24	28	30	36	34	28	26	28	24	28	24	12	30	26	20	18	....	29.1
Yerington	Maximum	74	76	63	54	44	47	52	58	63	74	65	65	65	56	57	55	52	52	58	57	58	....	....	....	....	....	....	....	....	42	....	58.0
	Minimum	27	26	32	32	23	21	16	12	21	19	21	17	26	22	40	15	20	21	35	23	17	....	....	....	....	....	....	....	....	8	....	22.5
Colorado Basin.																																	
Indian Springs	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Las Vegas	Maximum	84	84	78	76	66	65	67	70	72	74	76	77	66	70	72	70	64	64	68	70	74	70	65	60	57	60	46	51	58	61	....	67.8
	Minimum	40	39	39	36	32	38	29	30	26	26	26	30	42	47	40	38	30	32	32	40	40	40	41	40	42	39	26	35	32	23	....	35.0
Logandale	Maximum	83	84	87	79	67	67	65	67	73	73	74	76	75	72	74	71	67	62	65	69	70	66	59	61	62	62	50	57	60	58	....	68.5
	Minimum	40	43	36	57	33	36	29	30	30	32	31	31	33	30	32	38	33	39	35	33	46	29	43	45	38	38	28	36	23	27	....	35.1
Minor Basins.																																	
Beatty	Maximum	80	77	78	73	56	54	57	65	65	67	71	71	59	63	63	63	56	54	60	62	62	67	62	57	54	53	49	47	53	61	....	62.0
	Minimum	40	40	28	39	33	26	23	25	22	23	28	28	38	40	26	27	27	30	38	31	29	27	34	38	34	23	25	21	21	21	....	29.5
Gerlach	Maximum	67	65	63	53	46	46	51	52	57	53	64	63	68	72	67	63	58	58	52	65	73	72	74	72	67	66	32	32	31	39	....	58.0
	Minimum	33	32	31	30	18	31	14	13	22	27	30	31	33	31	30	29	31	34	34	47	17	28	30	24	24	5	20	2	2	7	....	24.7
Goldfield	Maximum	68	69	76	58	43	52	45	55	57	58	63	60	52	57	54	53	48	43	46	50	45	55	48	41	35	38	35	32	40	47	....	50.8
	Minimum	41	38	44	27	29	19	19	20	27	28	25	31	41	36	35	20	30	33	32	23	24	27	35	31	25	12	21	9	13	17	....	27.1
McDermitt	Maximum	67	64	58	44	35	33	43	47	48	49	50	60	56	47	45	49	50	47	51	56	54	45	40	36	34	31	26	26	31	39	....	45.4
	Minimum	36	31	37	21	24	30	19	21	28	26	29	28	32	31	29	23	25	23	24	24	26	20	18	14	12	2	10	0	10	11	....	22.2
McGill	Maximum	68	69	62	57	35	37	42	52	54	61	64	63	54	53	46	45	45	44	42	45	49	42	35	35	40	36	39	27	38	42	....	47.4
	Minimum	37	34	37	26	13	13	22	18	30	36	29	26	28	35	30	25	22	26	30	26	23	24	19	25	10	3	10	1	10	11	....	22.6
Millett	Maximum	72	71	64	57	43	41	46	53	60	65	60	63	64	59	52	48	50	47	46	51	53	50	45	37	31	28	30	27	35	33	....	49.4
	Minimum	20	20	41	26	22	22	7	6	12	13	12	7	32	21	35	10	14	24	26	12	15	12	27	29	19	−2	9	−4	−2	−1	....	16.4
Oasis Ranch	Maximum	70	67	65	57	43	44	45	55	56	58	62	60	58	57	56	51	52	47	50	51	51	58	52	40	36	38	42	38	42	50	....	51.7
	Minimum	37	35	40	28	20	21	17	15	20	20	21	23	39	29	36	17	28	35	28	25	20	19	35	29	27	15	21	19	22	11	....	25.1
Rebel Creek	Maximum	59	63	59	47	40	41	42	48	50	60	57	60	56	50	47	45	47	48	53	54	50	47	35	33	34	27	28	24	35	36	....	45.8
	Minimum	38	31	43	26	24	30	24	25	32	32	32	31	24	35	36	30	27	37	26	25	25	28	26	26	23	9	22	7	15	18	....	27.2
Sand Pass	Maximum	67	62	60	45	45	48	50	52	61	64	61	60	58	55	50	50	44	49	55	55	54	51	48	41	37	32	32	32	36	39	....	49.8
	Minimum	36	30	39	32	24	33	21	17	25	25	29	25	23	33	32	26	29	34	29	28	22	32	29	29	23	11	24	10	11	15	....	25.9
Searchlight	Maximum	79	79	77	67	56	55	59	58	66	70	70	72	63	65	63	59	57	60	59	58	57	62	55	54	49	50	43	43	46	53	....	60.1
	Minimum	60	55	53	47	38	39	33	37	47	51	44	55	50	45	45	44	45	42	40	43	42	39	45	39	35	31	31	30	30	33	....	42.3
Sharp	Maximum	68	62	60	56	54	52	50	54	58	60	62	64	59	50	52	53	55	50	48	45	52	49	36	38	40	40	38	36	36	41	....	50.6
	Minimum	37	30	28	24	16	20	18	22	24	22	26	28	29	18	22	24	23	22	21	26	22	26	21	24	20	16	11	10	17	19	....	22.2
Sulphur	Maximum	68	67	63	48	45	46	50	52	56	62	57	57	58	53	50	51	46	50	55	51	55	45	47	45	47	32	30	29	32	37	....	49.5
	Minimum	32	33	33	27	24	23	17	16	20	21	25	21	22	25	27	27	19	21	21	20	16	22	25	23	15	3	6	3	7	9	....	20.1
Tonopah	Maximum	66	63	57	42	38	37	37	49	52	54	58	56	48	50	48	46	45	40	42	45	44	51	42	34	29	32	28	22	32	41	....	44.3
	Minimum	46	46	42	30	25	21	24	28	30	35	39	40	39	37	30	29	34	30	31	29	30	34	31	22	16	12	12	7	16	25	....	29.0

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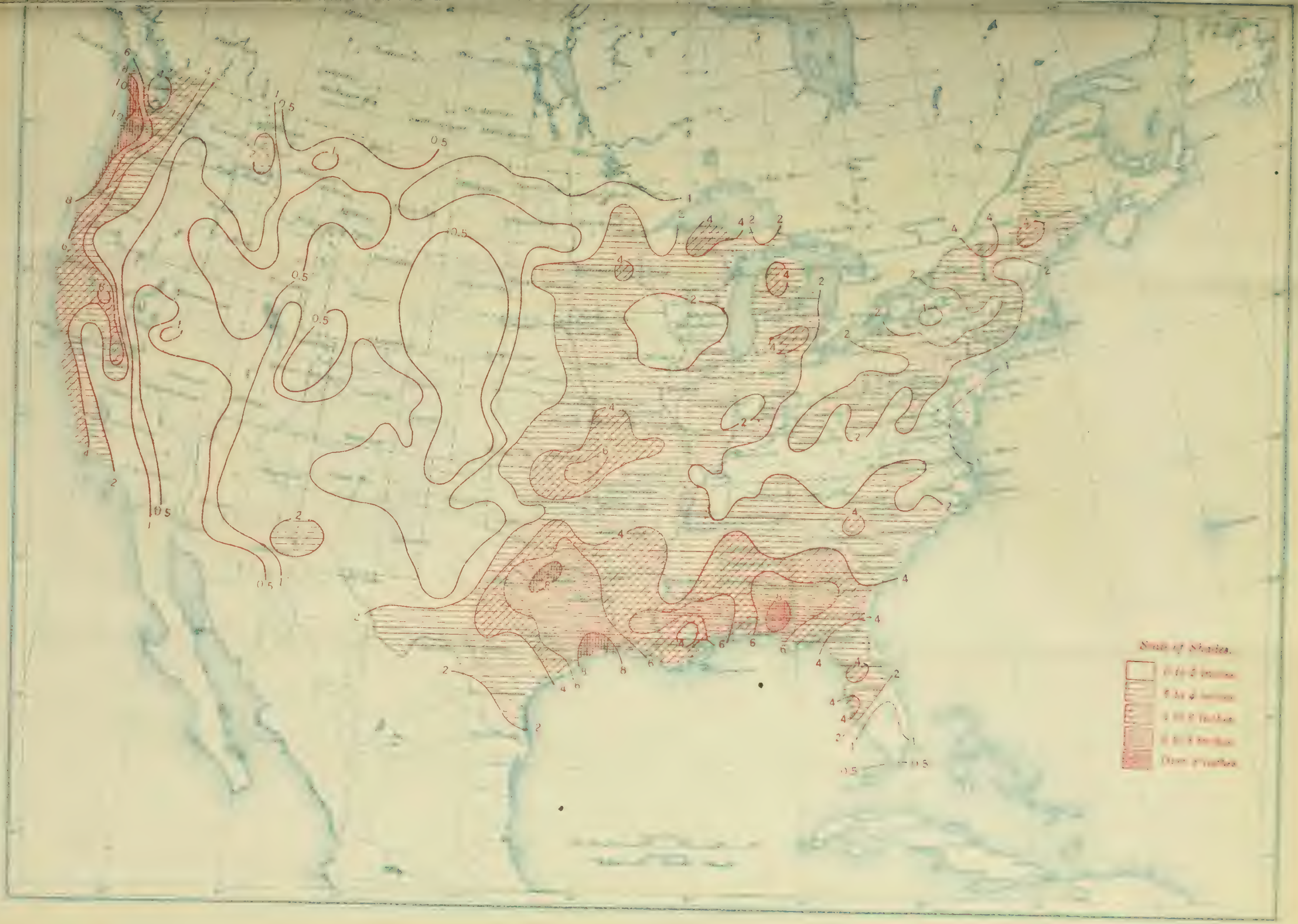
§§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 2 inches
2 to 4 inches
4 to 6 inches
6 to 8 inches
Over 8 inches

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WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

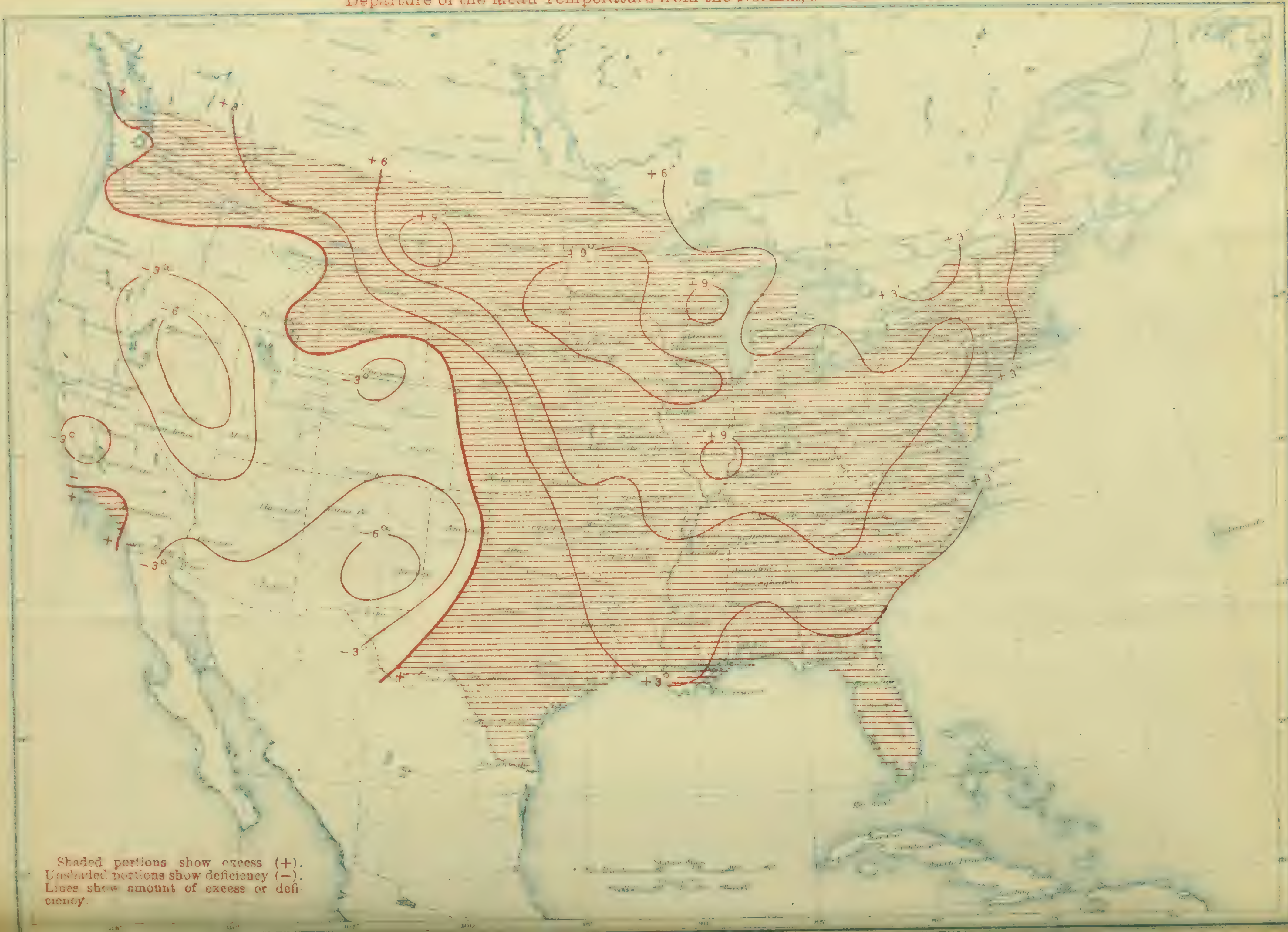
NEVADA SECTION

DECEMBER, 1918

BY
HENRY F. ALPS
METEOROLOGIST

RENO, NEV.
WEATHER BUREAU OFFICE
JANUARY 27, 1919.

Departure of the Mean Temperature from the Normal, December 1918.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALPS, Meteorologist.

Vol. XXXIII. Reno, Nevada, December, 1918. No. 12.

GENERAL SUMMARY.

December weather was dry and cold. The mean temperature for the State was over 3° below the normal, and the average precipitation was about one-quarter of an inch below the State normal. While this deficiency is considerable, the amount of moisture is about five times the average for the corresponding month of 1917. The only warm period of the month occurred from about the 2d to the 8th in the west portion, and from the 3d or 4th to the 9th or 10th in the east portion, during which time daily average temperatures were several degrees above the normal. Sharp cold spells occurred from the 9th to the 11th, on the 17th and 18th, and from the 21st to the close of the month. The lowest monthly temperatures were recorded at nearly all stations during the last decade, and the highest monthly temperatures were recorded at practically all stations during the first week. The minimum temperature fell below zero at 24 stations. The highest temperature for the month reached 60°, or more, at 14 stations. The precipitation was deficient in practically all sections of the State, except the southeast portion, where the monthly amounts were one inch, or more, above normal. The driest areas extended over portions of Washoe and Humboldt Counties, and small areas in the east-central part of Elko County and the extreme western part of Esmeralda County. One inch or more of precipitation fell in the southeast portion, and in portions of Eureka, Lander, and Elko Counties, as well as in the high mountain section near the easterly shores of Lake Tahoe. The snowfall in the mountains of the Humboldt Basin was moderate, and in western basins it was below the seasonal average.

Wheat was wintering well in the south portion and over small areas where it was seeded in other districts. The feeding of cattle was general on ranches and at feeding stations. Sheep were generally on winter ranges. Several hundred carloads of cattle and sheep were shipped to California for winter pasture and will be returned to Nevada in the spring. This is done to take advantage of the more economical feed afforded by the California pastures and receive the benefit of the warmer climate during the lambing season.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 40 stations, was 27.8°. The mean for the 28 stations having ten or more years' record was 3.3° below normal. The highest recorded was 74°, at Beatty on the 3d; the lowest was —21°, at Potts on the 24th. The greatest daily range was 54°, at Gardnerville on the 28th. The highest monthly mean was 46.3°, at Las Vegas; the lowest was 17.0°, at Potts.

PRECIPITATION.

The average for 51 stations reporting was 0.69 inch. For the 30 stations having ten or more years' record, the mean was 0.22 inch below the normal. The average amount at 5 stations in the Columbia Basin was 1.03 inches; at 18 stations in the Humboldt Basin, 0.62 inch; at 3 stations in the Truckee Basin, 0.84 inch; at 3 stations in the Carson Basin, 0.34 inch; at 4 stations in the Walker Basin, 0.11 inch; at 2 stations in the Colorado Basin, 1.61 inches; at 16 stations in the minor basins, 0.66 inch. The greatest monthly fall was 2.25 inches, at Sharp; the least was 0.05 inch at Oasis Ranch. The average number of days with precipitation was 3.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric pressure (sea level). Mean.	Highest.	Lowest.	Mean relative humidity. 5 a. m.	5 p. m.	Wind. Average hourly velocity	Max. velocity. Miles per hour.	Direc.	Date.
Reno	30.18	30.64	29.66	80	55	5.2	36	se.	[illegible]
Winnemucca	30.24	30.74	29.65	88	75	5.9	25	sw.	[illegible]
Tonopah	......	..	.	....	..	.			

SUNSHINE AND CLOUDINESS.

At Reno, 61 per cent of the possible sunshine was recorded; at Winnemucca, 65 per cent. For the State, the average number of clear days was 17; partly cloudy, 6; cloudy, 8.

MISCELLANEOUS PHENOMENA.

(Dates of).

Sleet.—7.
Fog.—14, 15, 16, 17, 18, 19.
Brisk winds.—1, 5, 6, 8, 22, 27.
Lunar halos.—10, 13, 14, 16, 19.
Mock sun.—9.

COMPARATIVE DATA FOR DECEMBER.

Year.	Temperature. Mean.	Highest.	Lowest.	Average precipitation.	Average snowfall.	Number of days. With precipitation.	Clear.	Partly cloudy.	Cloudy.	Prevailing wind.
1889	34.4	70	−20	4.09	23.0	13	4	6	21	s.
1890	35.1	73	0	1.00	1.0	5	11	9	11	sw.
1891	26.3	66	−33	2.75	22.3	8	8	9	14	n.
1892	30.4	63	−23	1.23	4.0	5	8	6	17	s.
1893	34.3	72	−15	0.69	5.2	4	13	7	11	s.
1894	27.6	64	−32	2.50	19.7	9	7	8	16	w.
1895	28.0	78	−34	0.42	5.9	4	12	10	9	n.
1896	34.6	73	−10	0.40	2.3	2	14	10	7	s.
1897	29.1	69	−14	1.06	4.9	4	13	7	11	w.
1898	25.3	70	−15	0.48	2.8	3	16	7	8	n.
1899	28.4	68	−25	1.15	8.1	4	14	7	10	ne.
1900	33.1	71	−12	0.19	0.9	1	14	6	11	sw.
1901	32.5	78	−19	0.69	2.2	3	17	7	7	sw.
1902	33.7	78	− 2	0.35	0.9	2	13	7	11	sw.
1903	30.4	71	− 9	0.14	1.2	1	20	6	5	n.
1904	33.3	76	−23	0.51	3.1	2	14	6	11	n.
1905	22.5	68	−21	0.60	6.4	3	15	7	9	sw.
1906	33.5	74	−21	1.91	12.7	6	8	10	13	s.
1907	35.6	78	−11	1.47	6.2	5	10	10	11	sw.
1908	27.6	67	−20	0.19	1.6	1	15	8	8	w.
1909	23.3	70	−25	1.54	7.4	6	10	7	14	n.
1910	33.1	91	− 8	1.15	4.3	5	13	8	10	w.
1911	26.4	69	−31	0.46	6.0	3	15	9	7	sw.
1912	29.8	68	−16	0.23	2.0	2	17	7	7	w.
1913	28.7	69	−22	1.53	8.1	5	12	9	10	w.
1914	24.5	69	−27	0.54	5.6	4	14	7	10	sw.
1915	32.7	81	−28	0.93	5.9	4	12	9	10	w.
1916	27.6	70	−30	0.87	10.3	5	13	6	12	sw.
1917	39.0	79	− 1	0.14	0.8	1	18	7	6	sw.
1918	27.8	74	−21	0.69	4.3	3	17	6	8	n.
Entire period	30.3	91	−34	1.00	6.3	4	13	8	10	sw.

LATE REPORTS.

November, 1918.—Hylton, total precipitation, 1.52 inches; total snowfall, 14.0 inches; number of days with precipitation, 6; clear, 18; partly cloudy, 5; cloudy, 7.

December, 1918.—Pahrump (one day missing from temperature record), mean temperature, 46.2°; highest, 74° on the 22d; lowest, 10° on the 28th; total precipitation, 2.25 inches; no snowfall; number of days with precipitation, 1; clear, 13; partly cloudy, 5; cloudy, 13.

Climatological data for December, 1918.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days.				Prevailing direction of the wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	5								5	1.21		0.49	16.0	6	13^f	0^f	12^f	nw.	U. S. Forest Service.
Mahoney Ran. Sta.**	do	6,200	3								3	1.23		0.48	14.0	4					Do.
Owyhee	do	5,400	7	25.3		58	3	−16^a	31	41	7	1.66		0.47	14.5	11	13	5	13	s.	E. A. Schwab.
San Jacinto	do	5,200	13	27.2	+4.3	58	3	−10	31	48	13	0.37	−0.24	0.28	1.5	3	15	3	13	s.	Utah Construction Co.
Tuscarora (near)	do										10	0.66		0.20	8.5	7	8	7	16	w.	D. B. Williams.
Humboldt Basin.																					
Arthur	Elko	6,500									8	0.93	−0.28	0.47	5.8	3	22	5	4	n.	Isaac Woodhouse.
Austin	Lander	6,594	29	*27.5	−3.1	64	3	2	†22	39	29	1.41	+0.22	0.90	13.0	4	18	3	10	w.	Forest Service.
Battle Mountain	do	4,513	47	23.3	−7.6	53	6	−10	†23	43	49	0.55	−0.24	0.21	7.0	4	16	6	9	n.	Southern Pacific Co.
Beowawe	Eureka	4,695	47	24.2	−5.3	60	6	0	3	35	49	0.69	−0.14	0.50	2.5	4	18	6	7	s.	Do.
Clover Valley**	Elko	6,000	17	22.0^d	−5.1	5^d	3	− 9^d	24	42^d	25	0.84	−0.65	0.84	7.0	1	17	6	8		J. D. Weeks.
Elko	do	5,063	47	21.8	−5.3	45	8	−12	31	41	48	0.50	−0.38	0.50	2.0	1	19	3	9	sw.	Western Pacific Co.
Eureka	Eureka	6,837	20	24.3	−6.7	55	4	− 6	25	36	22	1.07	+0.10	0.40	13.0	5	13	6	12	n.	Clay Simms.
Golconda	Humboldt	4,392	39	24.1	−6.8	58	6	−10	31	32	41	0.63	−0.20	0.50	2.0	3	7	19	5	ne.	Southern Pacific Co.
Hylton **	Elko	7,081									8	1.13		0.78	4.5	3	18	8	5		Chas. Toyne, sr.
Imlay §	Humboldt	4,209	5	24.8	−7.5	52	6	−20	31	48	5	0.52	−0.17	0.24	6.0	3	17	5	9	n.	Southern Pacific Co
Lamoille	Elko	6,100	3	22.5^b		51^c	3	− 4	31	31^c	3	0.66	−0.51	0.26		4	17	3	11	se.	Elko-Lamoille Power Co.
Lovelock	Humboldt	3,977	24	26.2	−4.9	58	†5	− 2	†26	38	22	0.13	−0.11	0.09	1.0	2	15	6	10	n.	Harold W. B. Baker.
Metropolis §	Elko	5,661	5	18.1		40	24	−18	31	53	9	0.90	−0.24	0.60		3	16	2	13		L. F. Hatch.
North Fork	do	6,500									9	0.24		0.20	5.0	2	12	8	11	s.	Roy C. Pratt.
Paradise Valley	Humboldt	4,500	5	24.0		56	6	− 6	†26	39	9	0.13		0.11	0.2	2	13	3	15	nw.	F. C. Buckingham.
Potts	Nye	6,002	25	17.0	−7.3	45	†4	−21	24	43	27	0.36	−0.10	0.16	4.5	3	16	4	11	s.	Miss Irene Potts.
Tecoma	Elko	4,812	40	25.1	−0.1	51	7	− 6	31	43	42	0.06	−0.49	0.06	0	1	11	15	5	n.	Southern Pacific Co.
Winnemucca	Humboldt	4,344	41	30.7	−5.8	52	6	− 9	31	35	49	0.50	−0.49	0.31	3.5	7	14	6	11	ne.	U. S. Weather Bureau.
Truckee Basin.																					
Franktown††	Washoe	5,054	2	30.7	−3.3	62	5	3	25	40	2	0.54		0.22		5	16	7	8		Agent V. & T. Ry.
Marlette Lake**	do	7,900	3	24.4		51	3	− 1	25	39	5	1.59		0.64	17.5	8	13	10	8	sw.	V. & G. H. Water Co.
Reno	do	4,532	31	33.7	−1.6	66	5	8	25	41	31	0.40	−1.27	0.16	4.0	5	16	9	6	w.	U. S. Weather Bureau.
Tahoe, Cal		6,230	10	27.5		55	4	6	†10	39	10	1.33		0.72	18.0	4	14	6	11	w.	Mrs. Emma C. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	24	28.0	−0.4	64	6	− 2	25	36	24	0.40	−0.18	0.16		3	20	5	6	n.	U.S. Experiment Station.
Gardnerville	Douglas	4,830	27	30.1^a	−2.1	66^b	4	2^b	25	54^h	28	0.25	−1.80	0.25	2.5	1	16^a	3^a	11^a		Forest Service.
Lahontan **	Churchill	4,200	6	31.0^a		62^a	4	9^a	†24	32^a	8	0.36		0.15	0	4	15^a	7^a	8^a	ne.	U.S. Reclamat'n Service.
Markleeville, Cal		5,525									9	0.71		0.50	23.0	6	19	5	7	s.	Mrs. Mary Thornburg.
Walker Basin.																					
Mina §	Mineral	4,350	11	29.6	−5.2	60	†4	3	25	50	22	0.31	−0.11	0.31	0	1	20^a	0^a	10^a		Southern Pacific Co.
Smith	Lyon	4,800									10	0.67		0.42	3.0	3	10	12	9	n.	C. M. Carter.
Thorne §	Mineral	4,200	5	31.8	−4.2	54	†10	8	†28	38	5	0.32	−0.08	0.32	T.	1	15	10	6	w.	Southern Pacific Co.
Yerington §	Lyon	4,375	9	29.6	−2.1	64	5	− 5	25	46	9	0.35	−0.13	0.22	2.5	3	17	9	5	n.	W. H. Churchyard.
Shields Ranch, Cal. **		5,300									9	1.01		0.40	10.5	4	21	5	5		Bruce H. Chichester.
Colorado Basin.																					
Indian Springs §**	Clark	3,136	5								5										Ira MacFarland.
Las Vegas	do	2,033	16	46.3	+5.3	73	3	21	26	41	16	1.35	+1.00	1.35	0	1	20	6	5	s.	C. P. Squires.
Logandale §	do	1,355	11	45.8	+2.7	70	†1	20	31	38	19	1.87	+1.41	1.62	0	2	18	9	4		Bert Mills.
Minor Basins.																					
Beatty	Nye	3,309	2	40.0		74	3	16	31	41	2	1.08		1.00	0	2	24	3	4	n.	E. E. Palmer.
Duck Flat **	Washoe	4,725									4	0.37		0.32	6.0	2	16	9	6	nw.	C. T. Smith.
Gerlach	do	3,931	6	24.8		50	9	− 2	27	35	6	0.14		0.12	1.7	2	17	1	13	n.	Western Pacific Co.
Goldfield	Esmeralda	5,700	11	29.8	−1.1	60	†3	3	24	37	13	0.63	+0.08	0.40	3.5	3	26	0	5	n.	R. W. Robinson.
Jungo	Humboldt	4,165									5	0.24		0.16	3.0	2	15	2	14	sw.	Western Pacific Co.
Lemons Valley**	Washoe	5,000									4	0.46		0.21	6.5	3	23	0	8	sw.	W. J. Webster.
McDermitt	Humboldt	4,700	7	27.3	−4.5	55	7	− 5	30	36	31	0.48	−0.84	0.24	6.0	3	27	4	0	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	8	25.8	−1.6	56	3	− 4	24	35	8	0.90	−0.21	0.71	7.0	3	13	7	11	s.	R. E. Middagh.
Millett	Nye	5,040	10	19.4	−7.0	45	7	−17	25	42	11	0.91	+0.59	0.79	2.0	2	13	3	15	n.	Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	6	29.1	+1.8	59	4	3	31	44	6	0.05	−0.48	0.05	0	1	19	9	3	n.	Arthur L. Stewart.
Pahrump	Nye	2,608	5								5										F. M. Buol.
Quinn Riv. Ranch **	Humboldt	4,850	16	24.8	−4.1	55	6	− 7	26	44	17	0.10	−0.75	0.05		2	22	3	6	w.	F. M. Payne.
Rebel Creek	do	4,300	6	28.2		52	6	2	31	27	7	0.27		0.10	3.5	8	12	14	5	sw.	Fred Whitaker.
Sand Pass **	Washoe	4,198	5								5										R. R. Mott.
Searchlight	Clark	3,445	5	43.7		72	4	23	31	24	5	2.25		1.81	0.2	4	22	2	7	n.	C. L. Aug. Mahn.
Sharp	Nye	6,200	4	29.8		58	4	1	24	35	4	1.95			8.0	2	29	0	2	nw.	Pauline F. Youngs.
Sulphur	Humboldt	4,044	5	22.2		50	13	− 3	30	35	5	0.28		0.24	2.5	2	15	15	1	sw.	Western Pacific Co.
Tonopah	Nye	6,090	13								13										U. S. Weather Bureau.
Vya	Washoe	5,500									5	0.47		0.16	6.0	4	24	4	3	w.	L. A. Mariette.
For the State				27.8	−3.3	74	3	−21	24	54		0.69	−0.22	1.62	4.3	3	17	6	8	n.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

* Post-office addresses of these stations are as follows: Of Mahoney Ranger Station, Jarbridge; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of Lahontan, Hazen; of Shields Ranch Coleville, Cal.; of Duck Flat, Sunkist; of Oasis Ranch, Oasis, Cal.; of Lemmons Valley, Reno; of Quinn River Ranch, Amos; of Sand Pass, Flanigan.

Reference letters, a, b, c, appearing in the table indicate number of days missing, for example, b represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for December, 1918.

Stations.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Columbia Basin.																																
Gold Creek (near)				.08				.24	.16								.08	T	*	.16	T								*	.49		1.21
Mahoney Ranger Station ‖								.48	.25						.15															.35		1.23
Owyhee		.11	.18					.28	.47		.06	.02			.04					.11	.09								.21	.24		1.61
San Jacinto								.28														.03								.06		0.37
Tuscarora (near)								.20	.12		.08	.04								.12									[illegible]	[illegible]		[illegible]
Humboldt Basin.																																
Arthur							.17	.28			.18																					0.63
Austin							.90	.11												.27										.10	T	1.38
Battle Mountain							.02													.16	.16								.21			0.55
Beowawe							.50													.08									.07	.04		0.69
Clover Valley							.84																									0.84
Elko								.50			T									T												0.50
Eureka							.50		.10							.02				.40										.05		1.07
Golconda								.50			T									.07									.06			0.63
Hylton								.78												.21										.14		1.13
Imlay								.07	T			T.								.24									.21			0.52
Lamoille ‖								.26	.22	T.		.06									.12								T	T		0.66
Lovelock								.04												.09												0.13
Metropolis ‖							.60	.20	.10											T.												0.90
North Fork									.20												.04											0.24
Paradise Valley							.11	T.			T				T					.02												0.13
Potts							.04	.16												T	.16											0.36
Tecoma							.06																									0.06
Winnemucca***							.26	.06			.04	T.			.05				.01	.05									.03	T		0.50
Truckee Basin.																																
Franktown							.22	.06	.07		T.									.15	T.								.04	T.		0.54
Marlette Lake ‖							.24	.64	.36			T.			T					.07	.19									.02	.02	1.54
Reno***							.16	.04	.06		T.									.13	T								.01	T		0.40
Tahoe, Cal. ‖							T.	.12	.72											.25	.24								T.	T	T	1.33
Carson Basin.																																
Fallon ‖							.12	.16	T.												.12											0.40
Gardnerville							.22																									0.25
Lahontan							.10	.15												T	T								.08	.03		0.36
Markleeville, Cal.							.06	.50												.10	.02							.10	.02			0.71
Walker Basin.																																
Mina								.31																								0.31
Smith							.42													.20	T.				.03	T			.02			0.67
Thorne							.32													T.									T			0.32
Yerington							.22														.07								.06			0.35
Shields Ranch, Cal.							.40	T.												.25	.26								.10			1.01
Colorado Basin.																																
Indian Springs ‖																																
Las Vegas							1.35														T.											1.35
Logandale					.25	1.62															T.											1.87
Minor Basins.																																
Beatty						.08	1.00																									1.08
Duck Flat							.05		T.											.32									T.			0.37
Gerlach																													.02	.12		0.14
Goldfield							.40	.10	.13											T.	T.								T.			0.63
Jungo				.16																										.08		0.24
Lemmons Valley							.21		.20						T.					T.	.05											0.46
McDermitt							T.	.24							.08	.16																0.48
McGill							.71		.04											.15												0.90
Millett							.79														.12								T.			0.91
Oasis Ranch							.05																									0.05
Pahrump																																
Quinn River Ranch																				.05									.05			0.10
Rebel Creek								.10	T.		T.									.14									.03	T.		0.27
Sand Pass																																
Searchlight					.09	1.81															.34									.01		2.25
Sharp							*	1.95																								1.95
Sulphur							T.				T.									.04									.24			0.28
Tonopah***																																
Vya ‖									.08						.16						.16							.07				0.47

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.
‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

Daily evaporation (inches) and wind movement (miles) for December, 1918.

(See temperature and precipitation data in climatological tables, pages 92 to 94.)

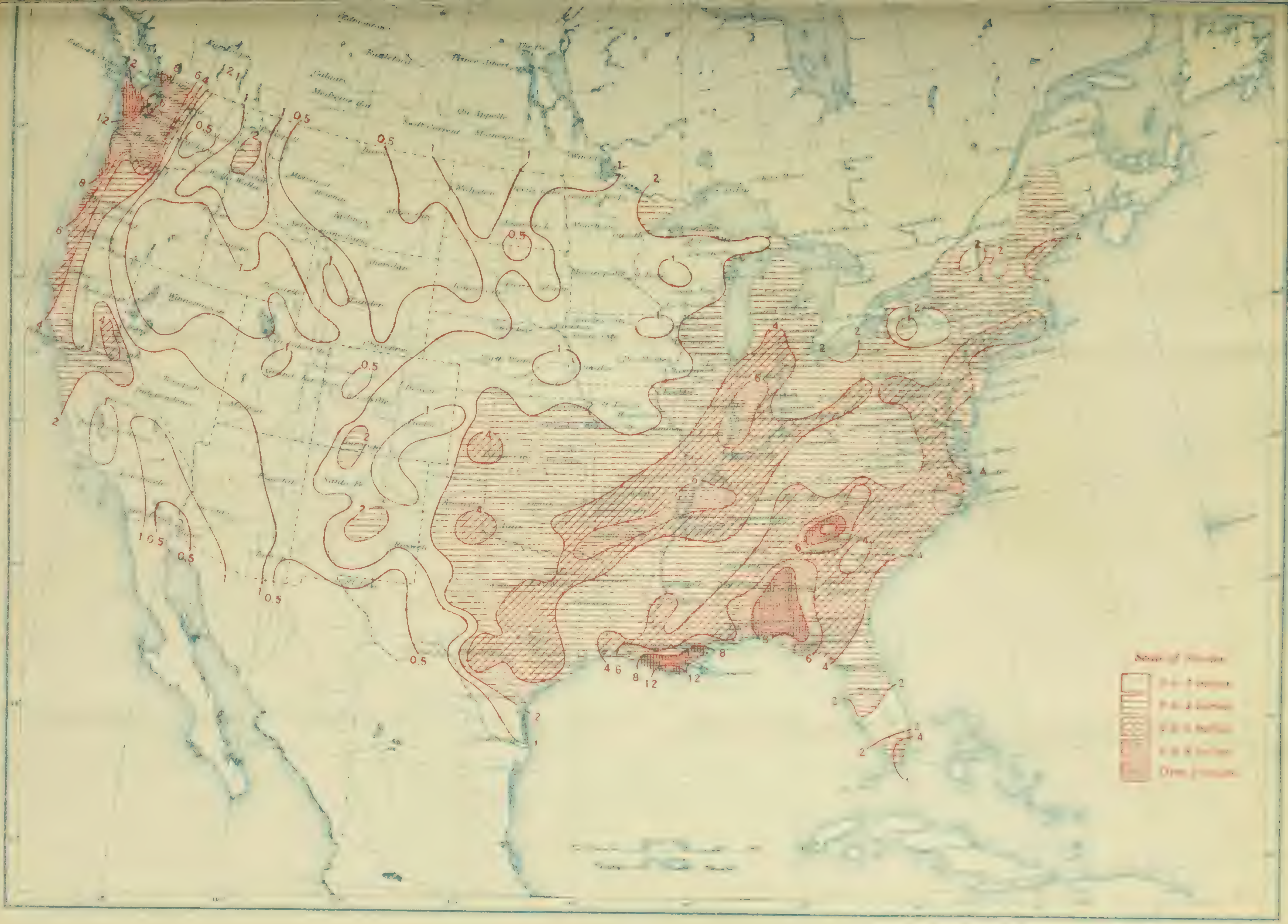
Stations.	Data.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Monthly.
Indian Springs*	Evaporation																																
	Wind movement																																
Marlette Lake*	Evaporation																																
	Wind movement																																
Lamoille*	Evaporation																																
	Wind movement	47	50	36	51	36	30	44	25	73	83	27	47	39	49	23	29	43	23	22	35	43	30	36	23	29	24	29	25	42	28	20	1,141
Tahoe, Cal.**	Evaporation		.050	.055	.055	.120	.070	.055	.045		.065	.050	.085	.135	.085	.085	.110				.090	.030					.195	.130	.175	.235	.140	.150	
	Wind movement	78	59	34	73	135	99	81	86	65	112	113	78	66	66	82	53	157	175	52	86	45	162	213	75	147	32	24	67	59	120	55	2,749

* Observations taken at 7 a. m.; ** at 8 a. m. ‡ Included in next following entry.

Daily temperatures for December, 1918.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Gold Creek (near)	Maximum..																																
	Minimum ..																																
Owyhee	Maximum..	43	52	58	53	53	55	49	42	35	30	34	32	42	42	40	38	32	22	33	33	30	31	30	26	30	35	33	44	36	19	15	37.0
	Minimum ..	10	18	23	33	42	41	29	30	20	0	15	4	27	30	22	21	10	8	2	11	13	....	0	−5	−6	−6	8	9	18	−4	−16	13.6
San Jacinto	Maximum..	45	53	58	54	53	51	50	42	38	35	36	34	47	46	35	33	33	36	34	36	32	30	30	35	43	43	43	36	34	20	20	39.2
	Minimum ..	16	20	30	35	34	34	32	32	26	18	11	11	23	15	19	18	20	14	4	14	12	2	−8	−5	−5	7	7	20	16	12	−10	15.3
Humboldt Basin.																																	
Austin	Maximum..	37	49	64	52	48	53	41	55	37	27	32	35	46	41	41	30	41	33	40	42	32	38	35	32	36	41	45	51	35	18	15	39.4
	Minimum ..	12	18	30	35	33	30	32	28	14	11	10	8	19	26	25	15	10	7	10	19	16	2	2	3	2	2	11	22	16	6	9	15.6
Battle Mountain	Maximum..	32	29	36	39	49	53	41	41	42	39	35	38	42	41	41	42	44	45	30	32	34	30	28	24	25	23	36	32	35	23	22	35.6
	Minimum ..	4	1	2	2	25	44	28	29	29	18	15	11	25	23	23	18	15	14	19	16	20	−6	−10	−10	−10	−9	−7	−4	12	12	−7	11.0
Elko	Maximum..	35	38	37	37	40	42	44	45	39	33	30	33	42	40	37	37	35	37	38	34	32	35	27	25	30	28	28	36	36	30	28	35.1
	Minimum ..	−6	2	10	15	20	35	35	33	23	6	3	4	20	18	14	12	5	10	9	6	20	0	−6	−10	−9	−9	−6	−2	12	8	−12	8.4
Eureka	Maximum..	42	51	55	55	47	47	42	41	32	30	37	33	44	42	40	28	30	24	31	36	30	23	25	21	29	33	41	44	42	18	14	35.7
	Minimum ..	11	15	23	30	35	37	33	30	20	5	2	13	13	17	19	20	12	3	1	14	17	2	−1	−5	−6	0	7	12	13	7	0	12.9
Imlay	Maximum..	39	40	43	44	50	52	41	47	45	40	38	36	49	47	45	39	38	37	36	36	37	35	34	29	32	32	34	35	33	29	28	38.7
	Minimum ..	0	0	6	20	30	22	28	32	28	15	16	7	25	24	22	23	17	13	15	20	18	13	−7	−4	−7	−8	−8	−5	7	−5	−20	10.9
Lamoille	Maximum..	....	....	51	45	45	45	39	39	27	29	28	34	43	39	34	29	29	25	24	28	29	27	23	24	29	32	42	40	26	18	....	33.0
	Minimum ..	9	20	27	27	31	30	32	31	23	11	5	8	12	17	15	18	8	7	1	0	15	3	0	0	4	4	12	11	14	10	−4	12.0
Lovelock	Maximum..	41	42	49	42	58	58	48	49	49	42	36	38	49	44	52	45	39	41	41	36	35	31	33	30	34	32	36	35	33	29	25	40.4
	Minimum ..	8	12	12	21	20	21	32	27	28	14	16	13	20	15	20	24	12	8	12	10	15	14	1	1	1	−2	−2	−1	7	3	2	12.1
Metropolis	Maximum..	28	29	30	31	32	38	38	36	39	31	35	33	32	30	31	29	28	23	17	22	25	32	28	40	32	30	28	35	32	30	19	30.5
	Minimum ..	7	18	17	21	19	21	20	15	12	15	14	12	10	11	9	15	16	3	2	−2	2	1	−13	−13	−12	−11	−10	−3	−1	1	−18	5.7
Paradise Valley	Maximum..	35	35	45	40	46	56	46	46	41	38	30	31	41	46	48	42	38	26	28	33	31	35	38	29	27	30	31	38	34	36	28	37.0
	Minimum ..	−1	6	7	16	24	22	23	30	29	14	15	16	20	17	21	14	8	7	5	11	6	0	−1	2	8	−6	10	15	7	0	−6	10.9
Potts	Maximum..	38	40	44	45	44	45	40	35	32	20	31	20	35	30	30	25	25	19	27	35	27	19	15	15	18	22	28	37	31	17	12	29.1
	Minimum ..	−5	12	18	18	32	33	32	25	17	−7	−5	−4	7	5	7	14	17	−3	−7	−7	16	−12	−17	−21	−19	−13	−4	3	12	3	2	4.8
Tecoma	Maximum..	46	44	47	43	49	46	49	48	45	45	43	40	44	48	49	50	51	50	46	45	40	41	40	34	33	34	39	37	36	34	28	42.7
	Minimum ..	8	5	8	10	12	14	18	16	11	12	6	8	11	12	11	12	10	8	3	11	3	0	−1	0	0	1	6	5	8	9	−6	7.5
Winnemucca	Maximum..	36	38	41	37	48	52	40	46	40	39	31	36	46	47	45	39	36	34	31	32	34	32	32	31	34	35	36	34	30	23	20	36.6
	Minimum ..	3	10	8	19	22	22	26	32	26	20	16	14	25	22	25	21	19	15	18	16	18	7	2	5	1	0	2	4	4	−4	−9	13.2
Truckee Basin.																																	
Marlette Lake	Maximum..	40	50	51	47	47	42	34	34	27	34	29	35	42	46	30	30	22	32	38	28	20	18	30	30	32	38	42	45	35	26	19	34.6
	Minimum ..	12	15	23	31	30	28	23	25	17	4	7	17	23	22	20	20	8	6	9	24	14	10	4	2	−1	2	3	17	11	7	5	14.1
Reno	Maximum..	49	55	59	66	66	55	41	49	39	35	42	42	54	50	42	42	37	41	48	43	34	35	38	35	36	39	42	53	31	28	30	43.7
	Minimum ..	20	22	23	30	40	39	35	30	16	10	15	21	26	23	25	25	20	16	21	24	24	17	13	12	8	10	11	12	19	19	11	20.5
Tahoe, Cal	Maximum..	48	45	48	55	52	46	37	40	31	36	32	42	44	41	38	34	31	37	45	32	31	29	36	36	41	46	41	50	25	20	27	38.6
	Minimum ..	17	18	21	23	38	36	27	28	21	6	7	11	16	19	17	19	15	10	11	18	19	19	8	8	6	7	14	15	13	9	12	16.4
Carson Basin.																																	
Fallon §§	Maximum..	41	48	51	47	60	64	41	50	41	40	35	43	51	50	45	41	40	38	43	39	37	39	35	33	33	32	32	33	30	29	29	41.0
	Minimum ..	12	15	17	23	24	33	35	24	27	16	19	17	21	19	23	21	14	15	14	15	15	17	5	2	−2	0	1	2	9	6	7	15.0
Gardnerville	Maximum..	....	52	58	66	64	56	42	45	40	35	41	49	48	48	48	42	35	39	48	43	30	....	35	34	34	37	40	60	31	28	29	43.3
	Minimum ..	....	13	19	22	35	40	32	27	23	13	11	21	11	21	22	23	16	12	17	18	18	....	7	7	2	3	6	6	20	18	6	16.9
Lahontan	Maximum..	44	50	54	52	62	60	42	51	43	41	40	42	....	55	46	45	41	41	44	39	34	35	34	31	34	34	36	38	32	29	30	42.0
	Minimum ..	18	20	23	28	30	32	35	33	27	20	22	22	25	....	26	27	19	23	18	22	22	17	14	9	10	7	9	10	12	11	9	20.0
Walker Basin.																																	
Mina	Maximum..	53	55	58	60	57	59	58	60	48	38	43	47	48	50	42	47	36	38	42	47	34	23	36	36	32	31	37	42	38	42	41	44.5
	Minimum ..	8	5	15	22	18	15	13	22	18	17	19	23	24	23	28	23	11	17	14	16	21	17	8	10	3	7	4	6	9	11	8	14.8
Thorne	Maximum..	34	36	34	36	38	40	42	50	46	54	46	44	52	54	52	51	38	36	40	42	44	38	34	36	33	32	36	36	50	32	30	40.8
	Minimum ..	26	28	28	30	32	34	32	34	32	28	24	24	28	30	28	28	20	18	20	18	26	22	18	20	16	12	14	8	12	10	8	22.8
Yerington	Maximum..	49	56	61	57	64	63	50	54	45	42	45	56	55	53	47	47	40	42	49	47	35	46	47	40	35	38	42	37	35	32	26	46.3
	Minimum ..	8	10	15	20	23	27	35	30	21	10	10	15	16	15	20	19	9	15	10	10	22	9	1	−2	−5	−2	−2	−1	14	16	10	12.8
Colorado Basin.																																	
Indian Springs	Maximum..																																
	Minimum ..																																
Las Vegas	Maximum..	62	64	73	72	70	70	56	68	64	61	60	60	59	65	62	61	60	62	61	60	58	60	55	55	60	60	61	63	61	53	48	61.4
	Minimum ..	31	31	32	33	37	36	48	34	38	33	31	32	29	31	28	31	34	32	32	25	35	41	31	25	24	21	23	24	27	34	25	31.2
Logandale	Maximum..	70	64	69	68	60	56	57	62	60	59	60	70	60	63	62	64	59	62	61	56	55	57	55	53	54	58	57	59	58	53	47	59.6
	Minimum ..	33	29	31	35	32	49	35	35	32	29	34	32	29	30	32	40	30	41	32	26	40	45	32	32	27	28	25	25	24	28	20	32.0
Minor Basins.																																	
Beatty	Maximum..	62	68	74	71	69	58	49	48	50	49	52	49	57	62	54	54	47	51	53	50	45	47	45	45	47	52	62	60	51	44	38	53.6
	Minimum .	23	30	33	31	28	33	39	33	28	25	25	27	26	30	25	36	23	29	24	18	28	28	21	19	19	25	27	25	19	22	16	26.3
Gerlach	Maximum..	30	35	35	32	40	40	38	39	50	39	38	39	49	45	46	45	40	38	42	37	36	34	33	32	35	30	30	29	35	28	29	37.0
	Minimum ..	4	10	6	15	16	15	16	11	22	14	19	14	27	17	25	21	19	10	16	19	21	17	4	5	0	−1	−2	0	8	12	7	12.6
Goldfield	Maximum..	47	51	60	60	55	57	38	37	35	37	38	38	55	48	41	35	35	35	38	40	31	31	31	30	35	35	43	50	35	26	25	40.4
	Minimum ..	19	20	31	50	37	38	31	31	23	14	16	17	18	22	23	22	16	14	16	19	18	12	5	3	11	11	14	14	16	12	3	19.2
McDermitt	Maximum..	41	40	45	50	51	53	55	52	46	35	33	32	40	45	40	42	45	41	46	35	40	41	38	40	41	40	43	35	30	21	23	40.6
	Minimum ..	10	11	12	14	15	20	27	27	26	16	14	10	15	22	19	15	20	21	19	15	10	16	14	18	5	8	12	9	4	−5	−4	14.0
McGill	Maximum..	40	45	56	54	48	51	48	48	36	30	33	30	35	45	40	35	31	29	29	36	32	27	23	21	26	30	44	45	39	25	18	36.4
	Minimum ..	12	16	27	39	39	35	38	28	20	3	6	15	12	23	23	23	12	12	4	9	20	10	0	−4	−2	−1	9	16	17	9	0	15.2
Millett	Maximum..	34	37	41	37	39	52	45	40	38	26	25	30	35	34	38	35	32	32	26	40	34	26	27	24	25	24	28	26	38	28	24	32.9
	Minimum ..	−3	0	5	8	22	25	32	28	26	4	2	6	13	7	10	17	7	3	0	2	15	1	−4	−12	−17	−10	−10	−10	7	6	0	5.8
Oasis Ranch	Maximum..	48	49	55	59	56	53	45	38	36	37	39	37	44	49	44	37	35	37	38	44	35	34	36	35	34	36	49	39	27	29	28	40.7
	Minimum ..	19	13	17	23	30	35	32	30	31	16	15	19	15	17	18	19	11	22	13	16	23	20	17	9	4	10	5	4	10	26	3	17.5
Rebel Creek	Maximum..	37	34	42	44	50	52	43	43	42	38	30	35	45	46	40	41	39	38	31	40	32	31	33	35	33	31	35	30	31	24	21	37.0
	Minimum ..	12	18	26	26	36	32	30	29	30	20	23	18	31	28	28	21	18	16	18	21	23	14	6	10	7	7	10	10	14	17	2	19.4
Sand Pass	Maximum..																																
	Minimum ..																																
Searchlight	Maximum..	56	57	65	72	68	57	50	49	54	47	53	47	50	54	58	50	49	48	48	48	47	44	40	39	40	46	53	57	51	45	36	50.9
	Minimum ..	38	39	50	55	44	48	42	35	35	36	39	32	31	40	42	39	35	35	33	32	33	33	28	26	26	32	40	42	43	27	23	36.2
Sharp	Maximum..	45	48	55	58	50	48	47	46	42	34	40	45	46	48	49	48	47	46	38	39	40	37	28	32	36	35	50	48	45	44	24	43.2
	Minimum ..	22	26	28	30	30	26	25	27	20	8	12	16	15	16	14	13	12	13	12	14	13	14	12	1	8	11	20	21	16	11	6	16.5
Sulphur	Maximum..	26	28	32	31	40	48	38	47	43	36	35	37	50	45	45	42	36	38	38	38	35	32	27	29	29	27	27	25	30	28	23	35.0
	Minimum ..	2	5	3	10	12	13	15	18	22	16	18	14	18	18	19	16	12	10	14	16	10	10	2	6	0	−1	−2	−2	1	−3	0	9.0
Tonopah	Maximum..																																
	Minimum ..																																

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.



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U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

NEVADA SECTION

ANNUAL SUMMARY, 1918

BY
HENRY F. ALPS
METEOROLOGIST

RENO, NEV.
WEATHER BUREAU OFFICE
FEBRUARY 17, 1919.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALPS, Meteorologist.

Vol. XXXIII. Reno, Nevada, Year, 1918. No. 13.

GENERAL SUMMARY.

The temperature and precipitation for the year averaged about normal. January was unusually dry in the south and west portions, and about the normal amount of moisture fell in the northeast portion. There was practically no snowfall in the Sierra Nevada Mountains. The severe drought in the west and south portions of the State was broken by moderately heavy precipitation in February. The snowfall was heavy in western mountains and normal in eastern mountain districts. Heavy precipitation also fell over the greater part of the State in March. The snowfall was heavy over the eastern slope of the Sierra, and moderately heavy in the Ruby and Independence Mountains. April and May were dry months. June was a wet month over the greater part of Nevada, unusually heavy showers falling in a number of localities. July and August were dry, except in the south portion and in small areas elsewhere where ample precipitation fell. September was exceptionally wet and October averaged wetter than usual. The precipitation for November and December was somewhat less than the normal, and the snowfall in the mountains was below the seasonal average. The temperature did not fluctuate greatly from the normal, except in June which was the warmest June on record. The highest temperatures on record for that month were recorded at a number of stations, and the highest temperature for the year occurred at practically all stations during June. The year was generally favorable for agricultural and stock interests, except that the moisture was insufficient for ranges and the supply of water for irrigation was short in most of the agricultural districts.

THE WEATHER BY MONTHS.

January.—The month was unusually warm, and extremely dry in the south and west portions. The precipitation in the northeastern one-third of the State averaged about normal. January was the sixth consecutive month with the average precipitation for the State below normal.

February.—The drought in the south and west portions which had covered a period of about six months was broken during February, when copious precipitation fell throughout Nevada. The moisture was sufficient for the agricultural interests in all sections. Stock wintered well, except sheep were poor on desert ranges where the drought had been severe.

March.—The precipitation was heavy in March with the exception of a comparatively dry area extending from Mineral County northward to Humboldt County, thence northeastward through the central one-third of Elko County. The greatest excesses occurred in the extreme south portion and over the eastern slope of the Sierra Nevada Mountains. Marlette Lake received 7.45 inches of precipitation, most of which was in the form of snow. The warm weather which prevailed during most of the month and the ample moisture were favorable for the advance of grass and grains. Plowing and planting were in progress in all of the agricultural valleys.

April.—The temperature and precipitation average was below the normal, the defficiency in the latter being considerable. In many sections the amount of moisture was too light to materially benefit growing crops and spring-seeded grain. The precipitation was sufficient for grasses, and feed on ranges was more plentiful than usual. Lambing progressed with satisfactory increases and shearing had started in some localities. Cattle and sheep were being moved to summer ranges.

May.—The month was cool and dry. The first week was warm and favorable for plant development but the remainder of the month was cold and unfavorable. Alfalfa, grain, and garden truck made slow advancement. Frosts formed at intervals, except in the extreme south portion, and much damage was done to the apple crop in northern valleys. Feed was plentiful on ranges, except in some of the lower elevations where the grass was drying rapidly. Lambing was practically over and shearing was well under way by the close of the month.

June.—There was a change to much warmer weather at the beginning of the month. It was the warmest June in the past 30 years, which is the period covered by state-wide records. The highest temperatures on record for the month of June were recorded at a number of stations. The precipitation was heavy and some damage was done to highways and railroads by heavy local showers. Austin, McGill, and Millett received over three inches of precipitation during the month. The steady high temperatures and ample moisture caused rapid development of grain, alfalfa, potatoes, garden truck, and range grass.

July.—The excessively high temperatures of June gradually receded during the first week of July, and normal temperatures with the usual ideal weather conditions prevailed during the remainder of the month. The rainfall was local in character. A shortage of irrigation water at the close of the month, particularly in the lower Humboldt Valley, retarded the growth of grain, wild hay, and the second crop of alfalfa.

August.—The month was cool and dry with about the normal amount of sunshine and wind movement. The rainfall averaged a little more than one-half of the normal. The harvesting of wheat, barley, and oats progressed rapidly and thrashing was started. The yields were only fair and the wild hay and second cutting of alfalfa crops were light because of water shortage for irrigation. Ranges were good in the south portion but only fair in the north and west portions.

September.—This was an exceptionally wet month. The average rainfall was 1.35 inches, which is the greatest since state-wide records began in 1889. Thunderstorms were recorded at 13 stations, which is unusual for September. Hail occurred at nine stations but no damage was reported. Killing frosts occurred at a few elevated stations but practically no damage was done. Grain and alfalfa in fields and open stacks were damaged by the wet weather. The moisture improved ranges, pastures, and potatoes, and put the soil in excellent condition for plowing.

October.—The month was warmer than usual and there was an excess of moisture over the greater part of the State. The first killing frost of the season occurred in the agricultural valleys from the 16th to the 27th, except in the warmer valleys of the extreme south where no frosts formed. Only slight damage was done as most of the crops had been harvested and the freezing weather was not severe enough to injure potatoes which remained in the ground. Haying, harvesting, and thrashing were completed. Ranges improved greatly.

November.—The temperature and precipitation averaged less than normal. The snowfall in the mountains was moderate. The first killing frost of the season in the agricultural valleys of Clark County occurred on the 7th. Farm work went forward until the last week of the month when it was ended by cold weather. Cattle were taken to winter ranges and feeding stations in good condition, except that they were thin in some northern districts because of the summer drought. Sheep were being moved south to winter ranges in strong and healthy condition.

December.—The month was dry and cold. The average precipitation was about one-fourth of an inch below the normal. The snowfall in the mountains was below the seasonal average in western basins and nearly normal in eastern basins. Sheep and cattle were wintering well.

Climatological data for the year, 1918.

Stations.	Counties.	Elevation, feet.	Temperature (degrees Fahrenheit). Length of record, yrs.	Annual mean.	Highest.	Date.	Lowest.	Date.	Precipitation, in inches. Length of record, yrs.	Total for the year.	Greatest monthly.	Month.	Least monthly.	Month.	Total snowfall.	Number of days. With precipitation of 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.	Prevailing direction of wind.
Columbia Basin.																				
Mahoney Ranger Station	Elko	6,200	3				17	Jan. 31	3	17.69	2.18	Oct.	0.51	July						
Owyhee	do	5,300	7		92	July 25	-16	Dec. 31	7		2.83	Jan.			71.5					
San Jacinto	do	5,200	13	44.6	96	June 12	-13	Jan. 31	13	8.17	1.72	June	T	Aug.	35.5	44	171	104	90	nw.
Humboldt Basin.																				
Arthur	Elko	6,500							8	14.44	2.71	Feb.	T	Apr.	68.9	45				
Austin	Lander	6,594	29	47.3	96	June 13	6	Jan. 10	29	15.23	3.14	June	0.00	July	112.8	54				
Battle Mountain	do	4,513	47	49.0	102	June 14	-10	Feb. 15†	49				T	Mar.*			240	78	127	n.
Beowawe	Eureka	4,695	47				10	Nov. 26	49		1.50	June			25.7					
Clover Valley	Elko	6,000	17	46.0	94	June 12†	-12	Feb. 1	25	10.71	2.87	Jan.	0.21	Aug.	24.5	42	208	60	97	
Elko	do	5,063	47	47.6	100	June 10†	-12	Dec. 31	48	8.73	1.85	Feb.	0.16	May*	15.5	30	178	110	77	sw.
Eureka	Eureka	6,837	20	47.2	97	June 12	-6	Jan. 27†	22	16.29	2.30	Mar.	0.46	Nov.	71.6	73	156	94	115	n.
Golconda	Humboldt	4,392	39	48.7	100	June 11	-10	Dec. 31	41		2.04	Mar.	T	July			164	228	73	w.
Hylton	Elko	7,081							8	15.00	2.27	Oct.	0.00	Aug.	53.5	19	255	77	33	
Imlay	Humboldt	4,209	5	49.7	101	June 11	-20	Dec. 31	5	10.43	1.93	Mar.	T	July	15.7	39	172	94	99	w.
Lamoille	Elko	6,100	3		94	July 29	-4	Dec. 31	3	17.17	2.21	Feb.	0.19	Aug.		65	217	48	100	se.
Lovelock	Humboldt	3,977	24		99	June 12	-2	Dec. 26†	22		1.20	Sept.								n.
Metropolis	Elko	5,661	5		96	June 11	-18	Dec. 31	9				T.	Mar.						
North Fork	do	6,500							9	9.05	2.03	Sept.	T.	July	42.0	44	108	134	123	s.
Paradise Valley	Humboldt	4,500	5		100	June 12	6	Dec. 26†	9		1.97	Sept.			23.4					nw.
Potts	Nye	6,002	25		96	June 15	-21	Dec. 24	27		1.15	June	T	July						s.
Tecoma	Elko	4,812	40	47.6	104	June 11	-12	Feb. 20	42	4.62	1.04	Jan.*	0.00	Mar.*	23.0	29	140	188	37	w.
Winnemucca	Humboldt	4,344	41	48.5	100	June 11	-9	Dec. 31	49	10.29	1.95	Mar.	0.27	July	26.8	79	174	91	100	ne.
Truckee Basin.																				
Marlette Lake	Washoe	7,900	3	38.3	80	June 26	-8	Apr. 3	5	28.45	9.01	Feb.	0.00	July	219.3	85				sw.
Reno	do	4,532	31	50.9	96	June 27	8	Dec. 25	31	8.85	2.51	Mar.	T.	July*	39.6	56	212	88	65	w.
Carson Basin.																				
Fallon	Churchill	3,965	24	51.1	99	June 10†	-2	Dec. 25	24	6.40	1.50	Sept.	T.	Aug.	4.6	40	204	82	79	n.
Gardnerville	Douglas	4,830	27	49.2	90	June 12†	1	Feb. 26	28	9.36	3.79	Feb.	0.00	July	41.4	32				w.
Lahontan	Churchill	4,200	6		96	June 12†	9	Jan. 11†	8				T.	July						
Walker Basin.																				
Mina	Mineral	4,350	11	51.2	103	June 14	3	Dec. 25	22	4.82	1.29	June	T.	Jan.*	4.0	25				
Smith	Lyon	4,800							10	9.34	2.50	July	T.	Aug.	15.3	39	162	120	83	sw.
Yerington	do	4,375	9	51.8	99	June 9†	-5	Dec. 25	9	5.83	1.20	Sept.	0.00	July	13.0	39				n.
Colorado Basin.																				
Las Vegas	Clark	2,033	16		112	June 12†	20	Jan. 11	16		2.63	Mar.	0.00	Jan.	0.0					s.
Logandale	do	1,355	11	64.8	114	June 11†	17	Feb. 1	19	7.21	2.08	Mar.	0.00	Apr.	0.0	29	252	73	40	
Minor Basins.																				
Beatty	Nye	3,309	2	59.1	112	June 28	11	Feb. 1	2	6.37	1.88	Mar.	0.03	Jan.	0.0	34	249	70	46	s.
Duck Flat	Washoe	4,725							4	5.64	1.17	May	0.00	June*	17.0	33	233	66	66	sw.
Gerlach	do	3,931	6	50.6	101	June 10	-6	Feb. 14	6	3.60	1.37	Sept.	0.00	July*	11.9	28	170	7	188	sw.
Goldfield	Esmeralda	5,700	11	51.0	99	June 12	3	Feb. 19†	13	10.01	2.83	June	0.00	Apr.	9.4	40				n.
Jungo	Humboldt	4,165							5		1.30	Sept.	0.00	July			200	56	109	
Lemmons Valley	Washoe	5,000							4	8.91	3.04	Sept.	0.00	July	20.0	55				sw.
McDermitt	Humboldt	4,700	7	47.2	95	June 12†	-5	Dec. 30	31	7.77	1.49	Mar.	0.00	July	13.0	42				sw.
McGill	White Pine	6,338	8	48.4	97	June 11	-4	Feb. 19†	8	16.21	3.25	June	0.18	Aug.	62.6	69	160	108	97	n.
Millett	Nye	5,040	10	46.1	94	June 14	-17	Dec. 25	11	8.67	3.36	June	0.00	Apr.	19.5	36	175	62	128	s.
Oasis Ranch	Esmeralda	5,106	6	51.6	100	June 9†	3	Dec. 31	6	2.62	1.15	Feb.	0.00	Apr.	13.0	13	213	92	60	s.
Quinn River Ranch	Humboldt	4,850	16		102	June 12	-8	Feb. 15	17		1.28	Mar.	T.	July*						s.
Rebel Creek	do	4,300	6		98	June 12	-3	Jan. 31	7		1.82	Oct.								sw.
Sand Pass	Washoe	4,198	5	51.9	99	June 11	5	Dec. 31	5	6.75	1.89	Sept.	T.	July*		46				w.
Searchlight	Clark	3,445	5	63.0	108	June 11	22	Feb. 1	5	11.82	3.71	Mar.	0.00	Jan.	0.2	44	238	49	78	s.
Sulphur	Humboldt	4,044	5		102	June 12	-12	Feb. 16	5		1.69	Sept.	0.00	Aug.						sw.
Tonopah	Nye	6,090	13	49.6	92	June 12	5	Feb. 31	13	5.37	0.85	June	T.	Apr.	19.0	52	225	102	38	se.
Vya	Washoe	5,500							5	8.35	1.76	Mar.	0.00	July	29.9	43				sw.
For the State				50.0	114	June 11†	-25	Jan. 31		9.28	9.01	Feb.	0.00	Jan.*	34.2	45	199	83	83	n.

†Also on subsequent dates. *Also in subsequent months.

COMPARATIVE ANNUAL DATA FOR NEVADA.

Year.	Temperature. Mean.	Max.	Min.	Average precipitation.	Average snowfall.	No. rainy days.	No. clear days.	No. partly cloudy days.	No. cloudy days.	Prevailing wind direction.
1890	49.6	118	−39	12.88	62.0	46	200	88	77	s.
1891	48.3	101	−30	14.06	50.6	55	164	101	100	s.
1892	48.5	115	−25	10.54	47.2	43	173	99	94	w.
1893	48.3	110	−40	9.22	56.2	41	192	74	99	sw.
1894	48.8	108	−41	10.89	67.2	52	172	86	107	w.
1895	47.1	112	−35	7.90	49.8	36	181	94	90	sw.
1896	48.7	117	−26	10.61	27.2	43	162	101	103	w.
1897	48.5	116	−22	9.79	48.1	47	165	99	101	w.
1898	47.9	114	−28	6.49	25.6	32	199	87	79	w.
1899	48.6	110	−29	9.12	47.1	37	184	83	98	sw.
1900	49.6	113	−12	8.25	33.0	48	176	96	93	sw.
1901	48.0	104	−27	13.20	39.7	52	187	92	86	sw.
1902	48.0	117	−32	7.25	44.7	37	197	89	79	sw.
1903	48.1	114	−32	7.06	31.8	29	219	77	69	sw.
1904	49.2	110	−23	10.62	26.6	45	186	87	93	sw.
1905	47.1	109	−37	8.32	36.5	38	194	87	84	sw.

COMPARATIVE ANNUAL DATA.--Continued.

Year.	Temperature. Mean.	Max.	Min.	Average precipitation.	Average snowfall.	No. rainy days.	No. clear days.	No. partly cloudy days.	No. cloudy days.	Prevailing wind direction.
1906	48.5	115	−22	15.87	54.0	53	172	96	97	s.
1907	49.4	113	−28	13.06	43.3	47	164	104	97	w.
1908	49.3	116	−20	6.34	22.7	33	189	98	79	w.
1909	49.1	116	−18	11.03	36.7	45	179	101	85	w.
1910	52.0	114	−28	5.53	24.4	30	202	87	76	w.
1911	47.7	113	−28	7.84	29.3	41	196	93	76	w.
1912	47.9	113	−29	6.99	24.6	43	185	99	82	w.
1913	48.8	113	−38	10.99	26.5	49	181	96	88	w.
1914	50.5	122	−27	9.43	30.1	41	195	93	77	w.
1915	50.6	112	−28	7.97	34.0	40	194	88	83	w.
1916	48.4	113	−31	9.76	67.2	41	220	71	75	sw.
1917	48.8	111	−38	6.72	29.8	33	218	73	74	sw.
1918	50.0	114	−25	9.28	34.2	45	199	83	83	n.
Means	48.8	122	−41	9.55	39.7	42	188	90	87	w.

Monthly and annual precipitation for the year, 1918, with departures from the normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		Sept'mb'r.		October.		Nov'mb'r.		Decemb'r.		Annual.	
	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.
Columbia Basin.																										
Gold Creek (near)	1.95		0.90		0.21																		1.21			
Mahoney Ranger Station	2.38		1.15		1.15		1.30		2.15		0.68		0.54		1.40		2.20		2.48		1.03		1.23		17.69	
Owyhee	2.83		1.55		1.61		1.02								0.76		1.88		1.26		1.34		1.66			
San Jacinto	1.26	+0.64	0.36	−0.18	0.16	−0.75	0.30	−0.29	1.19	−0.20	1.72	+0.03	0.48	−0.01	T.	−0.61	0.96	+0.26	1.25	+0.56	0.42	−0.23	0.37	−0.24	8.47	−1.02
Tuscarora (near)															0.40		3.50		1.55		1.23		0.66			
Humboldt Basin.																										
Arthur	2.60	+1.31	2.71	+1.42	2.03	+1.09	T.	−1.74	0.72	−0.59	1.37	+0.42	0.29	−0.50	0.32	−0.12	0.90	+0.18	1.85	+0.63	0.72	−0.57	0.93	−0.28	14.44	+3.73
Austin	1.62	+0.45	1.48	+0.14	0.92	−0.58	1.32	−0.15	1.89	+0.35	3.14	+2.32	0.00	−0.45	0.14	−0.49	0.77	+0.29	0.54	−0.12	2.00	+1.36	1.41	+0.22	15.23	+3.34
Battle Mountain	0.08	−0.79			T.	−0.68	0.30	−0.51	0.20	−0.60	0.02	−0.49	T.	−0.18	0.02	−0.12	0.04	−0.26	0.04	−0.42	0.40	−0.11	0.55	−0.24		
Beowawe	1.05	+0.28	0.70	−0.01	0.16	−0.49	0.21	−0.32	0.35	−0.28	1.50	+1.08					0.68	+0.44	0.20	−0.29	0.52	−0.09	0.69	−0.14		
Clover Valley	2.87	+0.72	1.19	−0.98	0.73	−0.81	0.28	−0.74	0.59	−0.84	1.15	+0.39	0.52	+0.08	0.21	−0.39	0.45	+0.09	1.23	+0.43	0.65	−1.12	0.84	−0.65	10.71	+3.82
Elko	1.36	−0.31	1.85	+0.64	0.17	−1.31	0.55	−0.20	0.10	−0.88	1.70	+0.80	0.10	−0.48	0.30	−0.20	0.40	+0.03	0.90	+0.05	0.80	−0.12	0.50	−0.38	8.73	−2.36
Eureka	1.00	−0.55	1.39	+0.29	2.30	+0.15	1.45	+0.28	1.46	−0.02	1.97	+1.03	0.66	−0.22	0.73	+0.02	2.04	+1.36	1.76	+0.92	0.46	−0.27	1.07	+0.10	16.29	+3.09
Golconda	0.16	−0.57			2.04	+1.47	0.40	−0.20	1.03	+0.27	0.85	+0.29	T.	−0.20	0.25	+0.16	1.22	+0.92	0.73	+0.26	0.72	+0.39	0.63	−0.20		
Hylton	2.07		1.20		1.41		0.72		0.74		1.19		1.11		0.00		1.64		2.27		1.52		1.13		15.00	
Imlay §	0.49	−0.17	0.50	−0.05	1.93	+1.38	0.56	+0.19	1.13	+0.52	1.15	+0.93	T.	−0.16	0.28	+0.14	1.70	+1.48	1.65	+1.29	0.52	+0.19	0.52	−0.17	10.43	+5.57
Lamoille	1.81	+0.02	2.21	+0.50	1.81	−0.22	1.08	−1.05	1.36	−0.48	1.67	+0.85	0.59	+0.07	0.19	−0.35	1.99	+1.62	1.75	+0.46	2.05	+0.78	0.66	−0.51	17.17	+1.69
Lovelock	0.36	−0.31	0.92	+0.51	0.71	+0.41	0.54	+0.34	0.32	−0.03	0.99	+0.71			0.02	−0.02	1.20	+0.95	1.12	+0.88	0.39	+0.16	0.13	−0.11		
Metropolis	0.66	−0.74	0.80	−0.22	T.	−1.15	0.30	−0.29	0.32	−0.64	0.65	+0.14	0.11	−0.14	0.10	−0.12	0.75	+0.56					0.90	−0.24		
North Fork	0.45		0.23		0.64		0.47		0.83		1.68		T.		0.68		2.03		1.37		0.43		0.24		9.05	
Paradise Valley	0.64		1.08		0.62		0.26		0.37		1.17						1.97		1.10		0.28		0.13			
Potts	0.32	−0.21	0.64	−0.02	0.20	−0.63	0.48	−0.23	0.25	−0.86	1.15	+0.75	T.	−0.65	0.01	−0.56	0.75	+0.45			0.48	+0.09	0.36	−0.10		
Tecoma	1.04	+0.42	1.04	+0.49	0.00	−0.40	0.08	−0.51	0.16	−0.50	0.15	−0.45	0.75	+0.56	0.00	−0.23	0.11	−0.27	0.91	+0.47	0.32	−0.04	0.06	−0.49	4.62	−0.95
Winnemucca	1.04	0.00	0.79	−0.14	1.95	+1.00	0.52	−0.36	0.77	−0.26	1.33	+0.69	0.27	+0.10	0.37	+0.20	1.53	+1.19	0.45	−0.07	0.77	+0.03	0.50	−0.49	10.29	+1.89
Truckee Basin.																										
Franktown			4.68		1.89										0.00		3.29		0.85				0.54			
Marlette Lake	1.29		9.01		7.45		0.74		0.32		0.17		0.00		0.06		3.06		2.30		2.46		1.59		28.45	
Reno	0.13	−1.82	1.73	−0.06	2.51	+1.29	0.16	−0.45	0.25	−0.54	0.14	−0.10	T.	−0.14	T.	−0.25	2.41	+2.14	0.75	+0.34	0.37	−0.72	0.40	−1.27	8.85	−1.58
Carson Basin.																										
Fallon	0.17	−0.45	0.51	+0.01	0.62	+0.14	0.84	+0.49	0.28	−0.42	0.79	+0.51	0.44	+0.26	T.	−0.12	1.50	+1.31	0.62	+0.21	0.23	−0.05	0.40	−0.18	6.40	+1.71
Gardnerville	0.08	−2.57	3.79	+2.25	2.81	+1.40	0.02	−0.59	0.03	−0.64	0.08	−0.18	0.00	−0.33	0.02	−0.31	1.53	+1.30	0.44	−0.02	0.31	−1.26	0.25	−1.80	9.36	−2.75
Lahontan	0.16		0.55		0.26		0.40		0.10				T.								0.25		0.36			
Walker Basin.																										
Mina §	T.	−0.50	1.01	+0.73	0.29	+0.06	0.05	−0.27	0.20	−0.54	1.29	+1.07	0.14	−0.17	0.27	−0.04	0.71	+0.40	0.55	+0.27	T.	−0.17	0.31	−0.11	4.82	+0.73
Smith	0.15		1.41		0.96		0.13		0.15		0.78		2.50		T.		1.08		1.21		0.32		0.67		9.34	
Thorne §	0.02	−0.54			T.	−0.22									T.	−0.28	1.50	+1.29	T.	−0.23	0.07	−0.27	0.32	−0.08		
Yerington §	0.05	−0.54	0.69	+0.22	0.76	+0.31	0.60	+0.38	0.21	−0.21	0.96	+0.59	0.00	−0.14	0.09	−0.11	1.20	+0.94	0.80	+0.42	0.12	−0.26	0.35	−0.13	5.83	+1.47
Colorado Basin.																										
Las Vegas	0.00	−0.49	0.71	+0.17	2.63	+2.42			T.	−0.06	0.67	+0.53	0.82	+0.45	0.54	−0.03	1.05	+0.72	0.28	−0.05	0.53	+0.20	1.35	+1.00		
Logandale §	0.09	−0.81	1.10	+0.46	2.08	+1.36	0.00	−0.16	T.	−0.10	0.30	+0.20	0.41	+0.13	0.75	+0.31	0.06	−0.39	0.43	−0.25	0.12	−0.36	1.87	+1.41	7.21	+1.80
Minor Basins.																										
Beatty	0.03		1.03		1.88		0.40		0.33		0.29		0.10		0.37		0.44		0.27		0.15		1.08		6.37	
Duck Flat	0.27		0.86		0.82		0.08		1.17		0.00		0.00		0.00		0.94		0.63		0.50		0.37		5.64	
Gerlach	0.05		0.25		0.29		0.08		0.10		0.02		0.00		0.00		1.37		0.98		0.32		0.14		3.60	
Goldfield	0.04	−1.04	1.04	−0.10	2.08	+1.22	0.00	−0.72	0.64	+0.11	2.83	+1.35	0.96	+0.20	0.45	−0.12	0.54	+0.34	0.77	−0.07	0.03	−0.33	0.63	+0.08	10.01	+1.12
Jungo	0.02		0.41		0.05		0.02		0.05		0.04		0.00		0.00		1.30		0.75				0.24			
Lemmons Valley *	0.30		1.38		1.91		0.10		0.06		0.20		0.00		T.		3.04		0.97		0.49		0.46		8.91	
McDermitt	0.55	−1.18	0.68	−0.67	1.49	+0.26	0.10	−1.42	0.35	−1.27	0.95	+0.13	0.00	−0.30	0.05	−0.10	1.40	+1.06	0.92	+0.02	0.80	−0.09	0.48	−0.84	7.77	−4.40
McGill §	0.86	−0.17	2.13	+1.10	1.04	−0.28	0.96	−0.18	2.49	+1.20	3.25	+2.83	0.95	+0.33	0.18	−0.90	1.15	+0.50	1.36	+0.64	0.94	+0.16	0.90	−0.21	16.21	+5.02
Millett	0.34	−0.63	0.53	−0.01	0.41	+0.02	0.00	−0.58	0.17	−0.31	3.36	+2.17	0.41	−0.29	0.57	+0.22	0.55	−0.08	0.77	+0.24	0.65	+0.43	0.91	+0.59	8.67	+1.77
Oasis Ranch §	T.	−0.75	1.15	+0.48	0.50	+0.13	0.00	−0.47	0.05	−0.58	0.75	+0.46	T.	−0.56	T.	−0.56	0.04	−0.33	0.08	−0.23	T.	−0.36	0.05	−0.48	2.62	−3.25
Pahrump	0.13		1.15		1.83				0.37														2.25			
Quinn River Ranch	0.40	−0.79	0.50	−0.14	1.28	+0.43	0.05	−0.31	0.50	+0.03	0.36	−0.17	T.	−0.18	T.	−0.18	1.02	+0.68			0.58	+0.02	0.10	−0.75		
Rebel Creek	0.70		1.13		1.68		0.46		0.81		0.44								1.82		0.92		0.27			
Sand Pass	0.13		1.05		1.52		0.06		0.15		0.25		T.		T.		1.89		0.85		0.71		0.14		6.75	
Searchlight	0.00		0.55		3.71		T.		0.07		0.33		2.03		0.57		1.65		0.51		0.15		2.25		11.82	
Sharp																	1.72		1.19		0.28		1.95			
Sulphur			0.08		0.10				0.50		0.43		T.		0.00		1.69		1.15		0.16		0.28			
Tonopah	0.22		0.39		0.57		T.		0.34	+0.04	0.85		0.73		0.23		0.65		0.52		0.13		0.74		5.37	
Vya	1.00		1.09		1.76		0.25		0.50		1.10		0.00		0.00		1.24		0.89		0.05		0.47		8.35	

The departures from normal precipitation are computed only for such stations as have ten or more years of record. § Normals based on data from nearby stations with long records. T. Precipitation is less than 0.01 inch rain or melted snow. * Changed from Francis in August.

MONTHLY EVAPORATION AND WIND MOVEMENT FOR 1918.

(See temperature and precipitation data in Climatological Tables, pages 99 to 103.)

Month.	Tahoe, Cal.**		Marlette Lake, Nev.*		Lamoille, Nev.*	
	Evaporation.	Wind movement.	Evaporation.	Wind movement.	Evaporation.	Wind movement.
January	1.405	2,469				1,595
February		2,229				1,480
March		2,396				1,865
April	2.695	2,269				1,975
May	3.775	2,388				2,061
June	4.615	1,918	9.095	1,828	7.694	1,932
July	5.920	2,750	9.730	2,036	9.713	1,937
August	6.325	2,447	8.495	2,214	8.479	1,885
September	4.102	1,869	5.622	2,444	5.433	1,642
October	3.255	2,131	3.760	2,284	3.222	1,601
November	2.225	2,348				1,295
December		2,759				1,141

* Observations taken at 7 a. m.; ** 8 a. m.

SUPPLEMENTAL TABLE, MONTHLY AND ANNUAL PRECIPITATION FOR THE YEAR 1918.

Stations.*	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	Annual.
Bijou	0.28	5.85	5.04	0.27									
McKinney	1.45	10.32	7.42	0.86	0.07	0.18	T.						
Markleeville	0.50	6.65	5.57	0.09	0.30	0.02	0.69	T.	2.62	1.39	0.77	0.71	19.31
Shields Ranch	0.18	4.60	3.76	0.28	0.35	0.40	0.00	0.32	1.26	0.85	1.05	1.01	14.06
Tahoe	1.15	9.28	8.63	0.70	0.21	0.56	T.	0.12	3.70	3.01	2.97	1.33	31.66
Woodfords	0.35	8.70	6.81										

* Mountain snowfall stations in California, located in drainage basins of streams which flow into Nevada.

Monthly and annual mean temperatures for the year, 1918, with departures from the normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Annual.	
	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.
Columbia Basin.																										
Gold Creek (near)	18.9^{c}	.....	17.8	.....	28.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....						
Mahoney Ranger Station	.....	.....	.....	.....	32.4^{d}	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....						
Owyhee	29.9^{a}	.....	29.7^{a}	.....	40.2	.....	42.3^{b}	.....	.....	.....	.....	.....	.....	.....	60.0^{e}	.....	61.1^{i}	.....	47.8	.....	34.7	.....	25.3			
San Jacinto	29.0	+2.7	25.6	−3.2	38.9	+2.7	40.1	−4.2	47.2	−1.6	61.5	+7.8	65.7	+0.5	59.8	−2.6	57.8	+3.6	47.4	+3.8	32.0	−1.5	25.2	+1.3	44.6	+0.1
Humboldt Basin.																										
Austin	28.4^{b}	−0.4	30.6^{c}	+1.1	40.0	+4.7	43.2^{a}	−0.6	48.7^{a}	−1.9	70.2	+10.0	72.5	+3.7	64.5	−3.6	57.9	−1.2	50.4^{c}	+1.8	33.8^{b}	5.2	27.5	3.1	47.3	+0.1
Battle Mountain	32.9	+4.1	31.8	−0.6	41.6	+0.2	38.4	−11.2	54.8	−1.8	73.2	+7.3	73.4	−1.5	68.0	−5.4	62.2	+0.1	53.7	+4.0	34.2	3.2	23.3	7.6	49.6	−1.3
Beowawe	30.8	+3.6	31.6	+0.5	42.6	+1.8	46.8	−2.1	52.8	−4.7	.....	.....	.....	.....	.....	.....	61.0	+2.2	52.2	+2.7	35.2	−1.3	24.2	−5.3	.....	.....
Clover Valley	31.1^{d}	+6.0	24.2^{a}	−4.8	38.8	+2.3	42.5^{l}	−2.2	49.5	−1.7	67.0	+7.9	68.0	+1.5	62.9^{l}	−2.6	59.6	+2.0	51.7^{c}	+1.6	34.1^{c}	2.1	22.0^{c}	5.1	46.0	+0.5
Elko	29.0	+6.0	27.6	−1.1	42.4	+5.5	44.4	−0.3	51.3	−2.5	70.2	+7.5	71.2	+1.0	64.7	−1.1	61.4	+1.5	51.6	+6.1	35.6	+1.2	21.8	−5.3	47.6	+1.8
Eureka	27.6	0.0	30.2	+0.5	40.3	+3.3	43.8	−1.4	50.6	−0.5	68.0	+7.2	69.0	−1.7	65.6	−4.0	60.8	0.5	51.0	+1.9	35.1	4.2	24.3	6.7	47.2	0.5
Golconda	31.6	+2.1	32.0	−1.7	42.2	+1.7	46.1	−1.9	52.4	−4.0	73.0	+7.4	72.2	+2.3	65.0	−6.2	61.4	+1.7	50.7	+1.2	33.4	6.0	24.1	−6.8	48.7	1.2
Imlay §	32.0	+1.7	34.3	−0.2	41.7	+1.5	49.5	+0.4	52.3	−2.9	74.2	+7.3	72.4	−3.4	66.5	−6.4	61.5	+0.3	50.8	+0.2	36.4	−3.5	24.8	7.5	49.7	1.0
Lamoille	29.6	.....	28.4	.....	37.3	.....	40.1	.....	47.2	.....	66.1	.....	67.3	.....	63.6	.....	58.2	.....	50.4^{b}	.....	.....	.....	22.5^{b}	.....	.....	.....
Lovelock	30.2	−1.7	33.6	−2.3	43.0	−0.7	47.8	−3.4	53.8	−5.6	71.4	+4.7	.....	.....	67.8^{k}	−6.3	63.4	0.0	53.1	+1.6	35.6	−6.2	26.2	−4.9	.....	.....
Metropolis	25.3	.....	22.4	.....	37.3	.....	39.8	.....	47.8	.....	66.1	.....	67.7	.....	62.0	.....	57.7	.....	.....	.....	.....	.....	18.1	.....	.....	.....
Paradise Valley	32.0	.....	31.2	.....	41.0	.....	44.8^{d}	.....	48.6	.....	67.0	.....	.....	.....	.....	.....	61.6	.....	54.2	.....	34.7^{c}	.....	24.0	.....	.....	.....
Potts	21.0	−3.5	29.6	+2.5	42.0	+8.7	43.7	+0.2	55.5	+4.5	68.6	+6.8	66.2	−3.4	65.1	−2.7	56.5	+1.1	.....	.....	38.8^{b}	+4.8	17.0	7.3	.....	.....
Tecoma	28.8	+5.9	22.4	−4.3	40.0	+2.8	45.8	−1.0	54.4	+0.4	71.2	+8.4	73.8	+1.5	66.5	−4.3	62.4^{d}	+3.2	49.4	+3.4	31.8	−2.4	25.1	−0.1	47.6	+1.1
Winnemucca	31.8	+3.0	32.1	−1.2	42.2	+2.6	45.5	−1.6	51.6	−2.8	70.6	+7.3	70.4	−1.2	65.7	−5.1	61.6	+1.1	51.6	+3.0	34.2	−3.3	24.9	5.8	48.5	0.3
Truckee Basin.																										
Franktown	.....	.....	33.1	−2.5	37.4^{b}	−2.8	.....	.....	.....	.....	.....	.....	.....	.....	63.2	−4.7	58.4^{a}	−1.9	51.2	+0.2	.....	.....	30.7	−3.3	.....	.....
Marlette Lake	24.0^{a}	.....	22.1^{a}	.....	25.3^{a}	.....	30.6^{a}	.....	37.1^{b}	.....	59.9^{a}	.....	57.8^{b}	.....	55.7^{a}	.....	50.2^{l}	.....	43.8^{l}	.....	29.6^{b}	.....	24.4	.....	38.3	.....
Reno	36.3	+3.8	35.0	−0.6	40.4	−0.6	47.7	+0.4	52.8	−0.8	71.0	+10.0	69.8	+2.3	67.7	+0.7	62.1	+2.4	53.6	+3.9	41.0	−1.9	33.7	−1.6	50.9	+1.5
Carson Basin.																										
Fallon	32.1	+1.3	35.1	−1.0	44.2	+2.7	48.6	−1.4	55.1	−0.6	73.2	+8.6	73.3	−0.2	69.6	−2.4	63.2	+2.3	53.4	+2.7	37.3	−1.9	28.0	−0.4	51.1	+0.5
Gardnerville	37.2^{e}	+6.2	39.1^{c}	+3.1	39.8	−2.2	47.0	−1.6	51.4	−2.1	66.6	+5.3	65.5	+2.1	63.0	−4.6	59.6	−1.1	51.4	+0.7	40.3^{a}	−2.5	30.1^{a}	2.1	49.2	+0.1
Lahontan §	37.0	.....	36.2^{f}	.....	44.8^{a}	.....	51.1^{i}	.....	56.2^{d}	.....	75.0^{j}	.....	74.8^{f}	.....	.....	.....	.....	.....	.....	.....	41.2	.....	31.0^{a}	.....	.....	.....
Walker Basin.																										
Mina §	34.2^{f}	+0.3	34.2	−4.9	42.6	−1.7	47.1^{a}	−4.3	55.2^{e}	−3.6	73.1	+3.5	72.8	−4.8	69.4	−6.6	63.8	−2.3	51.8	+1.8	38.0^{a}	−5.7	29.6	5.2	51.2	−2.8
Thorne §	36.4	+1.9	.....	.....	53.2	+8.5	.....	.....	.....	.....	.....	.....	.....	.....	69.8	−6.1	65.2	−0.4	54.6^{j}	+0.9	42.2	−2.0	31.8	−4.2	.....	.....
Yerington	33.9	+1.2	36.8	0.0	43.6	+1.2	48.8	−0.6	54.8	−0.5	74.0	+9.7	72.4	+0.9	71.4^{u}	+1.3	62.9	+3.1	51.2	+5.5	40.2^{b}	+1.2	29.6	−2.1	51.8	+1.7
Colorado Basin.																										
Las Vegas	47.2	+5.4	49.8	+4.6	57.2	+5.8	.....	.....	67.6	+0.7	84.2	+8.5	81.8	+0.1	85.0	+5.0	77.3^{f}	+5.1	67.2	+6.6	51.4	+1.9	46.3	+5.3		
Logandale §	44.3	+1.6	49.8	+1.0	57.8	+2.8	63.0	−0.9	67.0	−4.4	84.7	+3.5	83.2	−3.9	82.8	−3.3	79.7^{i}	+2.7	67.6^{d}	+2.1	51.8	1.2	45.8	+2.7	64.8	+0.2
Minor Basins.																										
Beatty	43.3	.....	42.6	.....	50.8	.....	56.2	.....	60.8	.....	80.6	.....	78.8	.....	76.9	.....	71.7	.....	61.6	.....	45.8	.....	40.0	.....	59.1	
Gerlach	33.6	.....	33.6	.....	41.9	.....	48.6	.....	54.8	.....	71.8	.....	72.1	.....	67.2	.....	63.9	.....	53.4	.....	41.4	.....	24.8	.....	50.6	.....
Goldfield	33.4^{a}	+1.7	34.2	−2.2	43.0	0.0	48.0	−2.1	53.2	−2.8	72.6	+7.7	71.8	−1.4	69.1	−3.3	63.8	+0.4	53.5	+2.4	39.0	−1.8	29.8	−1.1	51.0	+1.0
McDermitt	31.2	+4.1	30.6	−0.1	41.8	+3.7	45.3	−0.1	50.8	−2.8	68.0	+3.0	64.8	−8.9	60.6	−0.4	61.2	+0.2	51.2	+2.4	33.8	−3.7	27.3	−4.5	47.2	−0.6
McGill §	29.7	+4.1	31.8	+3.3	40.9	+6.9	45.3	+2.3	50.6	−0.4	69.2	+3.2	70.1	+1.9	68.2	+3.3	62.7	+7.2	51.6	+7.2	35.0	−0.5	25.8	−1.6	48.4	+3.1
Millett	27.8	+0.8	32.0	+0.7	41.2	+2.2	43.6	−2.5	49.6	−2.1	65.6	+4.9	67.5	−0.7	64.7	−1.1	59.0	+2.0	50.0	+3.4	32.9	−3.6	19.4	−7.0	46.1	−0.2
Oasis Ranch §	33.8	+3.6	34.8	−0.1	44.2	+3.5	50.4	+1.4	55.5	+0.3	73.7	+11.6	74.3	+7.0	69.0	+1.7	63.1	+3.8	52.7	+3.9	38.4	+0.8	29.1	+1.8	51.6	+3.3
Pahrump	40.2	.....	44.2^{d}	.....	46.3	.....	.....	.....	53.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	46.2^{a}	.....	.....	.....
Quinn River Ranch	30.5	+3.9	31.4^{f}	+1.3	40.3^{a}	0.0	.....	.....	49.0^{j}	−4.6	68.6	+7.5	68.6^{d}	−0.2	63.7^{l}	−3.4	59.9^{d}	+2.9	.....	.....	31.0^{p}	−7.3	24.8	−4.1	.....	.....
Rebel Creek	34.8^{h}	.....	33.1	.....	42.6	.....	46.4	.....	52.8	.....	71.4	.....	.....	.....	.....	.....	.....	.....	52.8	.....	36.5	.....	28.2	.....	.....	.....
Sand Pass	35.4	.....	35.2	.....	42.4	.....	49.6	.....	55.6	.....	74.0	.....	74.8	.....	71.4	.....	64.1^{d}	.....	54.8	.....	37.8	.....	27.8	.....	51.9	.....
Searchlight	45.4	.....	48.3	.....	54.0	.....	60.8	.....	64.2	.....	84.8	.....	81.0	.....	79.8	.....	76.8	.....	66.2	.....	51.2	.....	43.7	.....	63.0	.....
Sharp	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	59.6^{k}	.....	51.1	.....	36.4	.....	29.8	.....	.....	.....
Sulphur	.....	.....	30.0^{b}	.....	41.8^{c}	.....	46.7^{c}	.....	53.8	.....	72.6	.....	72.2	.....	62.9	.....	62.2	.....	52.1	.....	34.8	.....	22.2	.....	.....	.....
Tonopah	31.6	.....	32.8	.....	41.6	.....	46.2	.....	51.5	.....	72.3	.....	70.8	.....	68.6	.....	63.4	.....	52.8	.....	36.6	.....	27.5	.....	49.6	.....

Reference letters ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing; for example, ^{b} represents two days missing, etc.

KILLING FROSTS.

Stations.	Last in spring.	First in autumn.	Stations.	Last in spring.	First in autumn.
Austin	*May 30	*Oct. 17	Marlette Lake	*May 29	*Sept. 24
Battle Mountain	*June 10	*Oct. 7	Metropolis	May 21	*Sept. 5
Beatty	*April 13	Oct. 26	Millett	*June 4	*Sept. 24
Beowawe	*June 1	*Sept. 7	Mina	*July 13	*Sept. 13
Clover Valley	*July 3	*Sept. 5	North Fork	July 24	Aug. 15
Duck Flat	.....	Aug. 20	Oasis Ranch	*May 30	*Oct. 19
Elko	*May 31	*Sept. 24	Owyhee	.....	Aug. 19
Eureka	May 28	Aug. 21	Paradise Valley	*June 3	.....
Fallon	May 29	*Oct. 7	Potts	*May 24	*Sept. 4
Gardnerville	*May 28	*Oct. 17	Quinn River Rch.	*July 25	*Aug. 20
Gerlach	*June 1	*Oct. 18	Rebel Creek	.....	Oct. 23
Golconda	*May 26	*Aug. 20	Reno	*May 10	Oct. 26
Goldfield	*May 30	*Oct. 17	Sand Pass	*April 28	*Oct. 17
Hylton	.....	Aug. 20	San Jacinto	*June 1	Oct. 7
Imlay	*May 19	*Aug. 20	Searchlight	Feb. 19	Nov. 27
Lahontan	*April 27	*Sept. 5	Sharp	.....	Oct. 26
Lamoille	*June 1	*Oct. 18	Smith	May 17	.....
Las Vegas	*March 1	*Nov. 5	Sulphur	*June 1	*Oct. 17
Lemmons Valley	.....	Sept. 22	Tecoma	*July 5	*Aug. 15
Logandale	*April 5	*Nov. 7	Thorne	.....	*Oct. 25
Lovelock	*May 30	Oct. 18	Tonopah	May 29	Oct. 17
McDermitt	*July 25	Aug. 20	Vya	April 25	Aug. 21
McGill	*May 31	*Sept. 24	Winnemucca	May 10	Oct. 26
Mahoney R. S.	June 15	.....	Yerington	*May 24	*Sept. 24

* Indicates last day in spring or first day in autumn with temperature of 32° or lower, no killing frost being reported.

CLIMATOLOGICAL SUMMARY, 1918.

Month.	Temperature (deg. Fahrenheit).				Precipitation in inches.				Number of days.				Prevailing direction of the wind.
	Mean.	Departure.	Highest.	Lowest.	Average.	Departure.	Greatest local amount.	Average snowfall.	With precip. .01 inch or more.	Clear.	Pt. Cloudy.	Cloudy.	
January	32.6	+2.7	80	−25	0.70	−0.41	2.87	5.6	4	14	8	9	n.
February	33.2	−0.5	79	−16	1.30	+0.29	9.01	11.3	9	12	6	10	s.
March	42.1	+2.7	88	− 5	1.29	+0.28	7.45	5.2	5	15	7	9	s.
April	46.4	−1.6	92	− 8	0.38	−0.36	1.45	1.0	2	18	7	5	w.
May	52.9	−1.8	97	11	0.52	−0.23	2.49	1.1	3	16	9	6	sw.
June	71.6	+7.1	114	23	0.94	+0.69	3.36	0.0	4	17	8	5	w.
July	72.9	−0.5	112	21	0.33	−0.10	2.50	0.0	2	21	7	3	sw.
August	67.4	−3.2	112	28	0.23	−0.18	1.40	0.0	1	22	6	3	w.
Septemb'r	62.6	+1.5	104	26	1.35	+0.59	3.50	0.0	5	14	8	8	s.
October	53.2	+3.1	98	10	0.98	+0.23	2.48	0.3	4	18	6	7	n.
Novemb'r	37.7	−2.3	87	−12	0.57	−0.12	2.46	5.4	3	15	5	10	n.
December	27.8	−3.3	74	−21	0.69	−0.22	2.25	4.3	3	17	6	8	n.
Annual	50.0	+0.3	114	−25	9.28	+0.04	9.01	34.2	45	199	83	83	n.

Monthly maximum temperatures for the year, 1918, with dates.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.
Columbia Basin.																								
Gold Creek (near)	50[c]	1	37	6	49	30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mahoney Ranger Station	...	...	...	...	51[f]	18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Owyhee	67[a]	2	55[a]	22	67	30	72[k]	8	...	...	...	...	...	...	92[n]	25	88[d]	20	82[i]	12	64[c]	2	58	3
San Jacinto	65	1	52	6	69	30	72	30	82	†3	96	12	93	†18	90	25	86	20	79	12	64	2	58	3
Humboldt Basin.																								
Austin	65[h]	2	60[c]	10	63	23	69[a]	†21	81[a]	4	96	13	94	†9	90	†6	86	1	85[e]	8	71[b]	1	64	3
Battle Mountain	66	5	60	†6	75	31	80	30	89	4	102	14	101	†2	98	†27	96	23	85	14	68	1	53	6
Beowawe	60	†6	60	6	74	†30	77	30	79	3	...	...	...	...	...	...	92	1	82	12	70	1	60	6
Clover Valley	65[c]	1	53[a]	5	64	25	74[k]	22	81	4	94	12	92	†11	94	25	88	22	78[i]	†8	72[c]	1	51[d]	3
Elko	60	1	54	23	72	3	77	30	87	4	100	†10	100	†29	95	26	91	1	86	12	69	1	45	8
Eureka	65	2	59	6	68	30	72	22	80	4	97	12	94	29	91	†4	86	20	77	12	70	1	55	4
Golconda	57	1	58	6	70	30	78	†23	84	3	100	11	97	17	91	†2	89	20	80	12	68	1	58	6
Imlay	60	†1	59	11	71	30	78	†24	81	3	101	†11	95	†2	94	7	88	†2	73	4	60	†2	52	6
Lamoille	73	2	52	7	66	30	72	30	79	4	92	19	94	29	89	25	86	2	76[n]	12	...	...	51[c]	3
Lovelock	57	†5	55	10	74	30	81	21	84	†3	99	12	...	...	95[k]	†25	93	1	83	12	70	1	58	†5
Metropolis	59	2	50	6	66	30	70	†21	80	3	96	11	95	30	90	25	87	1	...	...	...	...	40	24
Paradise Valley	63	3	57	11	70	†24	84[g]	23	82	6	100	12	...	...	...	...	94	14	79	18	62[e]	3	56	6
Potts	45	24	58	8	61	29	76	30	86	15	96	15	91	†3	91	25	85	16	...	...	78[c]	4	45	†4
Tecoma	59	5	55	7	75	31	76	24	87	4	104	11	101	21	99	†1	98	1	84	5	70	1	51	17
Winnemucca	61	2	57	6	73	30	78	30	84	8	100	11	96	7	94	25	90	1	83	12	69	2	52	6
Truckee Basin.																								
Franktown	...	...	60	10	68[b]	30	...	...	...	...	...	...	...	...	91	†6	88[a]	†1	78	12	...	...	62	5
Mariette Lake	52[a]	2	48[a]	†3	54[a]	30	58[a]	30	59[a]	3	80[a]	26	75[b]	†29	77[a]	†29	71[b]	†4	64[m]	13	59[b]	2	51	3
Reno	60	1	62	4	73	30	77	21	80	3	96	27	94	7	95	28	88	19	82	12	70	2	66	5
Carson Basin.																								
Fallon	61	4	64	11	73	30	80	21	86	3	99	†10	98	†1	97	†3	92	1	84	12	70	2	64	6
Gardnerville	63[e]	18	64[c]	†4	69	31	74	†21	78	†3	90	†12	88	29	88	†27	82	†1	77	12	72[a]	1	66[h]	4
Lahontan	62	5	63[i]	4	74[a]	31	78[i]	21	83[d]	3	96[i]	†12	95[f]	29	...	...	...	...	...	...	72[a]	1	62[a]	5
Walker Basin.																								
Mina	67[l]	16	56	18	72	27	83	25	89	†3	103	14	101	30	100	3	99	8	84	13	78	1	60	†4
Thorne	65	†1	...	...	76	22	...	...	...	...	...	...	...	...	94	11	88	†2	82[j]	12	72	10	54	†10
Yerington	64	4	69	11	75	30	82	21	89	3	99	†9	99	29	99[k]	3	93	2	86	12	76[b]	2	64	5
Colorado Basin.																								
Las Vegas	80	†2	79	14	88	31	...	...	97	5	112	12	109	30	112	25	101[f]	4	94	†1	84	†1	73	3
Logandale	75	1	74	†10	86	31	92	30	96	†3	114	†11	112	29	112	3	103	†12	98	2	87	3	70	†1
Minor Basins.																								
Beatty	76	2	71	†10	83	31	86	22	93	4	112	28	106	30	106	3	101	2	91	13	80	1	74	3
Gerlach	59	4	61	4	75	31	82	21	86	†1	101	10	97	†2	97	28	89	3	81	13	74	23	50	9
Goldfield	61[a]	1	61	11	69	†30	74	†21	84	3	99	12	94	†29	95	4	87	1	81	12	76	3	60	†3
McDermitt	64	1	52	†3	70	30	74	†21	81	3	95	12	91	†1	95	25	88	1	82	12	67	1	55	7
McGill	66	2	60	10	68	30	72	†22	82	†3	97	11	95	†29	94	4	92	7	79	12	69	2	56	3
Millett	59	4	63	6	69	29	74	30	83	3	94	14	91	†6	91	4	88	1	78	†11	72	1	45	7
Oasis Ranch	62	12	65	7	73	31	80	24	90	4	100	†9	99	29	98	4	90	18	76	12	70	1	59	4
Pahrump	74	2	69[b]	3	79	11	...	...	72	31	...	...	...	...	...	...	...	...	...	...	...	...	74[a]	22
Quinn River Ranch	65	2	62[f]	26	74[a]	30	...	...	...	...	102	12	97[g]	17	...	...	91[i]	†18	...	...	60[p]	21	55	6
Rebel Creek	63[i]	1	57	4	73	30	80	30	83	3	98[i]	12	...	...	...	...	...	...	83	1	63	2	52	6
Sand Pass	59	4	62	4	73	30	80	21	82	†1	99	11	96	†1	97	25	91[c]	1	82	13	67	1	57	6
Searchlight	72	3	70	6	81	31	81	22	88	3	108	†11	102	29	107	3	97	†1	90	†1	79	†1	72	4
Sharp	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	84[k]	14	73	14	68	1	58	4
Sulphur	61	26	60	5	73[c]	30	79[c]	30	84	3	102	12	97	†1	96	25	91	1	84	12	68	1	50	13
Tonopah	58	2	57	6	65	30	69	22	77	3	92	12	89	29	91	4	81	1	74	12	66	1	57	4

† Also on subsequent dates.

Cooperative Stations and Observers.

Stations.	Observers.
Austin	Forest Service
Battle Mountain	Southern Pacific Co.
Beatty	E. E. Palmer
Beowawe	Southern Pacific Co.
Clover Valley	J. D. Weeks
Duck Flat	C. T. Smith
Elko	Western Pacific Co.
Eureka	Clay Simms
Fallon	U. S. Experiment Station
Franktown	Agent, V. & T. R. R.
Gardnerville	Forest Service
Gerlach	Western Pacific Co.
Golconda	Southern Pacific Co.
Gold Creek	Forest Service
Goldfield	R. W. Robinson
Imlay	Southern Pacific Co.
Indian Springs	Ira MacFarland
Jungo	Western Pacific Co.
Lahontan	U. S. Reclamation Service
Lamoille	Elko-Lamoille Power Co.
Las Vegas	C. P. Squires
Lemmons Valley	W. J. Webster
Logandale	Bert Mills
Lovelock	Harold W. B. Baker
McDermitt	U. S. Indian Service
McGill	R. E. Middagh
Mahoney Ranger Station	Forest Service
Marlette Lake	V. & G. H. Water Co.
Metropolis	L. F. Hatch
Millett	Fred J. Jones
Mina	Southern Pacific Co.
Oasis Ranch	A. L. Stewart
Owyhee	E. A. Schwab
Pahrump	F. M. Buol
Paradise Valley	F. C. Buckingham
Potts	Miss Irene Potts
Quinn River Ranch	F. M. Payne
Rebel Creek	Fred Whitaker
Sand Pass	R. R. Mott
San Jacinto	Utah Construction Co.
Searchlight	C. L. A. Mahn
Sharp	Pauline F. Youngs
Smith	C. M. Carter
Sulphur	Western Pacific Co.
Tecoma	Southern Pacific Co.
Thorne	Southern Pacific Co.
Tuscarora (near)	D. B. Williams
Vya	L. A. Mariette
Yerington	W. H. Churchyard

Monthly minimum temperatures for the year, 1918, with dates.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.
Columbia Basin.																								
Gold Creek (near)	-25^{c}	31	-6	22	0	6	....	....	....	....	....	....	....	....										
Mahoney Ranger Station	-17^{l}	31	....	....	5^{h}	6	....	....	....	....	....	....	....	....										
Owyhee	-12^{a}	31	-4^{a}	†1	9	6	14^{h}	2	....	....	....	....	....	....	28^{a}	20	28	24	19	25	6	[illegible]	16^{a}	31
San Jacinto	-13	31	-11	1	12	27	3	3	21	†15	27	1	37	4	28	22	29	5	19	†26	3	26	10	31
Humboldt Basin.																								
Austin	-6^{b}	10	2^{c}	15	15	8	8	4	20^{a}	9	38	1	47	25	37	21	35	27	25	[illegible]	1	†26	2	†22
Battle Mountain	2	10	-10	15	10	31	6	†4	18	29	31	9	40	31	31	29	34	28	18	25	-10	28	10	[illegible]
Beowawe	1	10	2	†1	18	†14	10	4	26	9	21	1	....	....	....	....	33	24	18	26	10	26	0	3
Clover Valley	-10^{d}	31	-12^{a}	1	10	1	11^{e}	2	24	1	32	2	30	3	36^{b}	22	35	24	19	28	-3	26	-9	24
Elko	-4	31	-7	15	12	2	12	†3	26	21	33	†1	41	1	34	22	30	25	19	26	11	26	12	31
Eureka	-6	27	-2	†1	15	1	10	4	21	9	28	1	38	25	33	21	33	9	21	26	1	26	6	[illegible]
Golconda	1	9	0	11	18	13	14	2	27	8	39	1	42	21	30	20	31	23	24	25	5	27	15	31
Imlay	0	9	-6	14	20	5	15	5	25	8	40	1	43	24	30	20	31	21	52	†18	6	28	20	31
Lamoille	9	21	0	20	2	16	8	3	11	10	32	1	42	25	38	21	34	26	24	26	3	26	1	31
Lovelock	0	10	2	1	15	1	11	4	25	9	34	1	....	....	36^{k}	21	33	24	23	26	2	28	[illegible]	†26
Metropolis	-14	31	-12	25	10	1	10	4	21	21	26	1	38	25	32	22	32	5	....	....	....	....	15	31
Paradise Valley	2	31	3	†1	12	3	10	4	11	22	26	1	....	....	....	....	28	1	20	29	4^{c}	28	6	†26
Potts	-16	26	-16	24	19	16	4	11	28	†13	43	†18	38	21	31	21	26	1	....	....	-12	28	-21	24
Tecoma	-3	31	-12	20	8	1	10	18	26	28	39	2	30	5	32	15	28	17	20	26	-2	26	6	31
Winnemucca	-1	10	1	15	22	5	16	4	28	22	33	1	39	25	33	21	31	24	22	26	6	28	-9	31
Truckee Basin.																								
Franktown	....	....	0	25	8^{l}	1	....	....	....	....	....	....	....	....	32	20	31^{a}	24	27	26	....	....	3	25
Marlette Lake	7^{s}	†10	-2	†15	-5^{a}	9	-8^{h}	3	17^{l}	10	36^{a}	2	36^{b}	24	34^{e}	17	32^{b}	24	19^{l}	19	4^{c}	27	-1	25
Reno	12	27	10	25	14	9	19	4	32	9	37	1	45	24	40	17	37	21	27	26	13	28	8	25
Carson Basin.																								
Fallon	4	10	4	15	16	1	15	4	32	†15	36	1	45	25	39	20	36	24	21	26	10	28	-2	25
Gardnerville	3^{e}	28	1^{c}	26	3	9	18	4	26	†9	35	1	37	24	34	20	33	23	20	25	8^{a}	28	2^{b}	25
Lahontan	9	†11	10^{f}	†1	23^{a}	†1	21^{i}	4	33^{d}	11	49^{i}	1	51^{f}	25	....	....	....	....	....	....	16	†28	9^{a}	†21
Walker Basin.																								
Mina	11	†1	16	†18	13	4	10^{a}	†4	21^{e}	†27	39	2	32	13	39^{c}	14	32	13	20	26	9^{b}	11	3	27
Thorne	14	28	....	....	27	29	....	....	....	....	....	....	....	....	44	†8	35	†28	32^{l}	†25	12	26	8	†25
Yerington	4	31	3	1	16	†1	15	5	26	9	35	1	41	25	38^{p}	5	32	24	19	26	8^{h}	30	5	25
Colorado Basin.																								
Las Vegas	20	†11	16	1	27	1	....	....	39	10	49	2	55	†14	60	16	52^{f}	†9	37	26	23	30	21	26
Logandale	18	15	17	1	33	9	31	5	41	2	52	†2	53	†25	48	18	43^{f}	9	36^{f}	27	23	29	20	31
Minor Basins.																								
Beatty	17	11	11	1	24	10	25	4	35	†17	49	2	50	†26	41	17	42	9	27	26	21	†28	16	1
Gerlach	4	10	-6	14	14	1	19	†4	32	†15	32	1	36	2	35	19	38	†26	25	26	2	†28	-2	2
Goldfield	9^{a}	†21	3	19	15	13	14	4	26	28	37	1	49	25	61	4	27	24	23	26	9	28	3	24
McDermitt	-2	31	3	†15	19	6	16	3	26	9	29	1	31	25	22	†20	30	26	21	23	0	28	-5	30
McGill	4	10	-4	19	15	14	8	3	23	25	41	2	46	†2	41	†20	31	24	21	26	1	28	-4	24
Millett	-3	27	-2	19	6	9	0	4	20	9	28	1	40	25	38	19	30	24	10	26	-4	28	-17	25
Oasis Ranch	10	21	6	1	20	†1	16	4	29	28	41	1	49	28	40	18	34	25	23	26	11	30	3	31
Pahrump	10	22	21	6	21	13	....	....	33	4	....	....	....	....	....	....	....	....	....	....	....	....	10^{a}	28
Quinn River Ranch	-5	31	-8^{f}	15	10^{a}	5	....	....	....	....	23	1	31	25	30^{e}	†20	25	†24	....	....	-5^{p}	28	-7	26
Rebel Creek	-3^{h}	31	3	15	18	†5	16	3	26	21	32^{i}	1	....	....	....	....	....	....	29	26	7	28	2	31
Sand Pass	11	†10	9	15	17	1	20	3	34	9	36	1	50	20	40	20	31^{d}	24	29	26	10	28	5	31
Searchlight	25	†21	22	1	33	9	36	4	41	†9	59	1	60	13	54	16	56	23	42	27	30	28	23	31
Sharp	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	35^{k}	24	25	26	10	28	1	24
Sulphur	....	....	-12^{e}	16	18^{c}	†1	17^{c}	4	30	22	31	1	42	24	34	†20	33	24	23	26	3	†26	-3	30
Tonopah	6	10	10	19	19	13	15	3	26	10	47	1	48	24	46	17	39	23	30	25	7	28	5	31

† Also on subsequent dates.

Mountain Snowfall Observers.

Stations.	Observers.	Stations.	Observers.	Stations.	Observers.
Arthur	Isaac Woodhouse	Markleeville, Cal	Mrs. Mary A. Thornburg	Shield's Ranch, Cal	Bruce H. Chichester
Bijou, Cal	Chas. Young	McKinney, Cal	Henry Soll	Tahoe City, Cal	Mrs. Emma C. Smith
Hylton	Chas. Toyn, sr.	North Fork	Roy C. Pratt	Woodfords, Cal	Grant P. Merrill

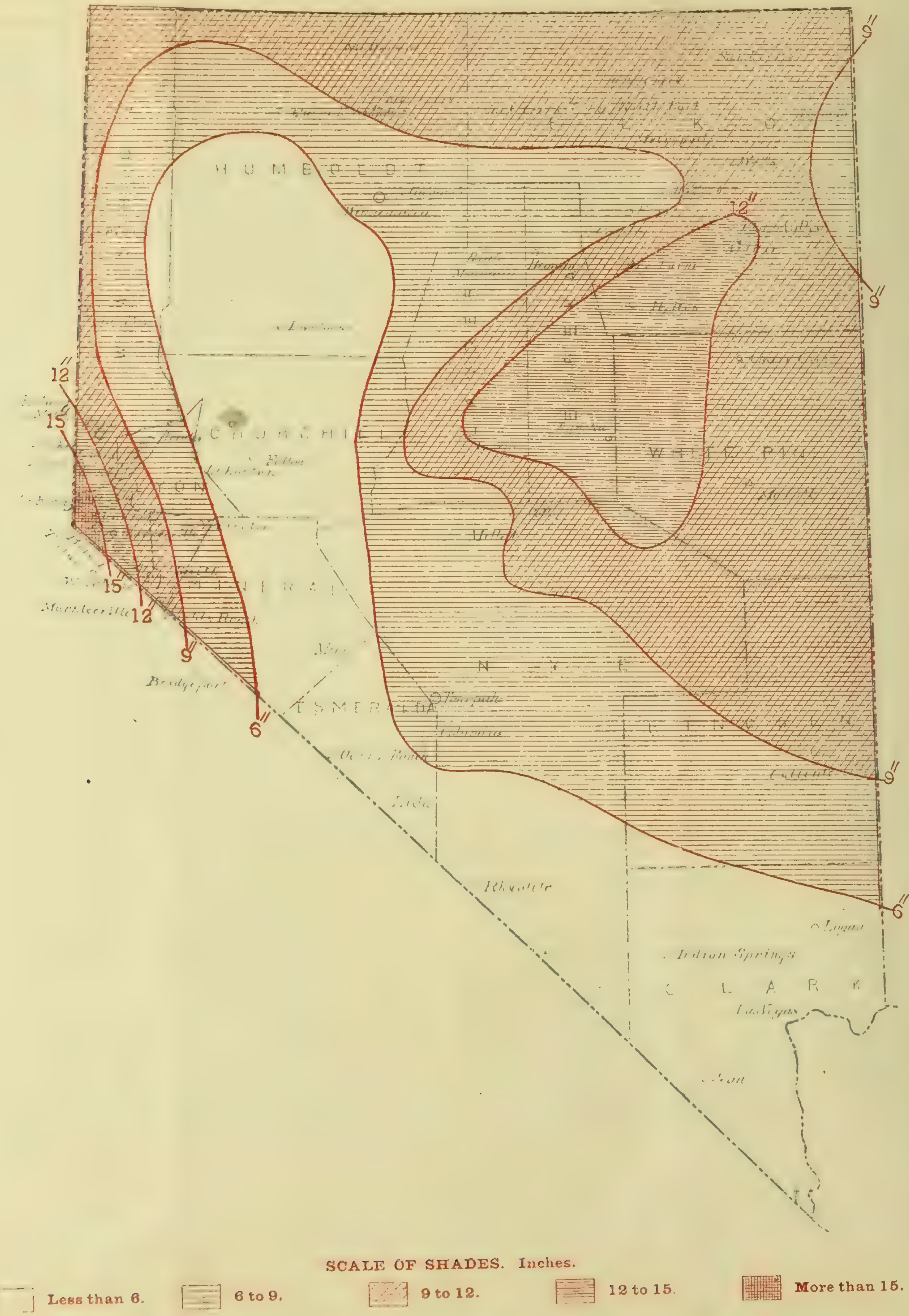
Forecast Distributors and Displaymen.

Stations.	Distributors.	Stations.	Distributors.	Stations.	Distributors.
Austin	U. N. & I. Telephone Co.	Goldfield	W. U. Telegraph Co.	Reno	U. S. Weather Bureau
Carson City	W. U. Telegraph Co.	Las Vegas	C. P. Squires	Tonopah (1)	U. S. Weather Bureau
Elko	Postmaster	Lovelocks	U. N. & I. Telephone Co.	Tonopah (2)	Tonopah Daily Times
Ely	Steptoe Drug Co.	Metropolis	W. M. Wiley	Virginia City	W. U. Telegraph Co.
Eureka	W. U. Telegraph Co.	Mina	W. U. Telegraph Co.	Winnemucca	U. S. Weather Bureau
Fallon	U. N. & I. Telephone Co.	Pioche	U. N. & I. Telephone Co.	Yerington	W. U. Telegraph Co.

Telephone Service.

Through the cooperation of the Golconda Telephone and Power Co., the Utah, Nevada and Idaho Telephone Co., and the Las Vegas Telephone and Power Co., the weather forecasts may be obtained free at all the principal telephone exchanges on the lines named.

Mean annual precipitation and location of stations.



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NNE

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

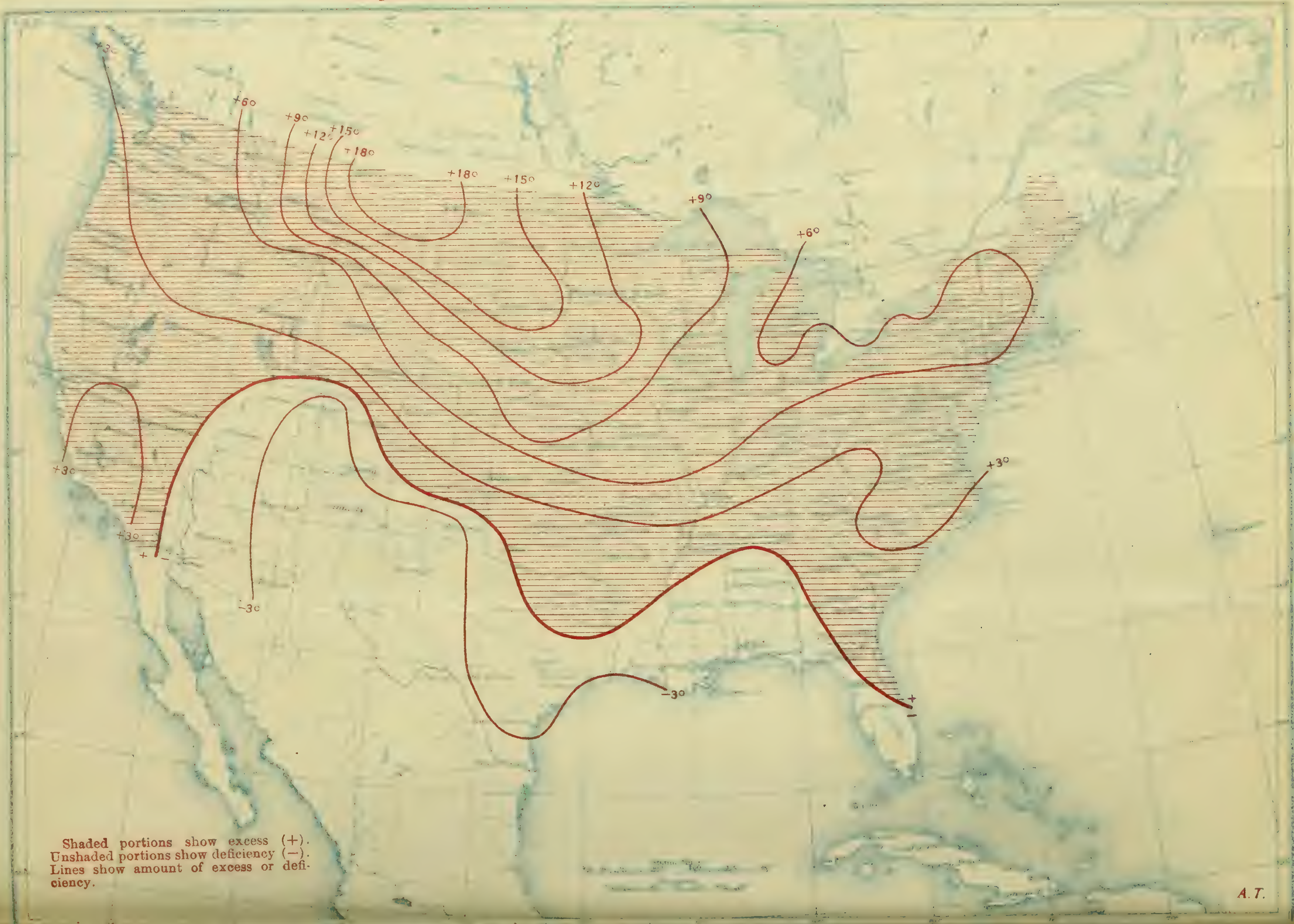
NEVADA SECTION

JANUARY, 1919

BY
HENRY F. ALPS
METEOROLOGIST

RENO, NEV.
WEATHER BUREAU OFFICE
FEBRUARY 26, 1919.

Departure of the Mean Temperature from the Normal, January, 1919.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALPS, Meteorologist.

Vol. XXXIV. Reno, Nevada, January, 1919. No. 1.

GENERAL SUMMARY.

This was the driest January in the past thirty years, which is the period covered by state-wide records. Only one other January of record compares with this month for dryness, and this was in 1891 when the average for the State was 0.21 inch, which is 0.04 inch higher than the average for January of this year. The greater part of the State received no measurable precipitation, or only a few hundredths of an inch during the month. From one-quarter to one-half inch of precipitation fell in Clark and the southeastern portion of Lincoln County, along the extreme western border of the State, the north half of Humboldt County, the northwest quarter of Elko County, and a few small areas elsewhere. There was no measurable precipitation at 20 stations. This is a remarkable record for January, which is normally a month of heavy precipitation. The greatest monthly amounts fell in the Tahoe Basin, but stations in that region were six inches or more below the monthly normal. There were a few stormy periods from the 11th to the 24th, during which all the precipitation occurred. The snowfall in the mountains was light.

The temperature for the month averaged about normal. The first nine days were cold and the lowest temperatures for the month were recorded during that period, the lowest occurring at most of the stations on the 1st. With the exception of the 13th and 14th, which were moderately cold, the remainder of the month was warmer than normal. The highest temperature for the month occurred at most of the stations on the 22d and 23d. Zero temperatures or lower were recorded at all but 13 stations, and 60° or higher was reached at 11 stations.

Cattle, horses, and sheep were reported in good condition. The light snowfall made it possible for stock to feed on ranges more than usual. Some plowing was done in the lower valleys during the last half of the month.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 41 stations, was 30.1°. The mean for the 27 stations having ten or more years' record was 0.5° above normal. The highest recorded was 70°, at Mina on the 12th and at Las Vegas and Logandale on the 24th and 25th; the lowest was —24°, at Owyhee on the 1st. The greatest daily range was 53°, at Paradise Valley on the 9th. The highest monthly mean was 46.8°, at Las Vegas; the lowest was 19.4°, at Paradise Valley.

PRECIPITATION.

The average for 50 stations reporting was 0.17 inch. For the 30 stations having ten or more years' record, the mean was 0.99 inch below the normal. The average amount at 4 stations in the Columbia Basin was 0.43 inch; at 18 stations in the Humboldt Basin, 0.05 inch; at 2 stations in the Truckee Basin, 0.92 inch; at 3 stations in the Carson Basin, 0.12 inch; at 4 stations in the Walker Basin, 0.13 inch; at 2 stations in the Colorado Basin, 0.36 inch; at 17 stations in the minor basins, 0.13 inch. The greatest monthly fall was 1.43 inches, at Marlette Lake; there was none at five stations. The average number of days with precipitation was 1.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric pressure (sea level).			Mean relative humidity		Wind.			
							Max. velocity.		
	Mean.	Highest.	Lowest.	5 a. m.	5 p. m.	Average hourly velocity.	Miles per hour.	Direc.	Date.
Reno	30.25	30.92	29.37	75	43	4.9	39	w.	23
Winnemucca	30.29	31.00	29.44	84	61	6.7	39	sw.	23
Tonopah	30.22	30.83	29.29	59	52	8.1	27	nw.	21

SUNSHINE AND CLOUDINESS.

At Reno, 74 per cent of the possible sunshine was recorded; at Winnemucca, 71 per cent; at Tonopah, 78 per cent. For the State, the average number of clear days was 19; partly cloudy, 5; cloudy, 7.

MISCELLANEOUS PHENOMENA.

(Dates of).

Brisk winds.—1, 2, 3, 7, 8, 9, 10, 11, 12, 14, 15, 16, 17, 18, 19, 20, 23, 24, 27, 31.

Fog.—4.

Lunar halos.—11, 13, 24.

Mock suns.—5, 19, 31.

Sleet.—7, 11, 12, 16, 17, 19, 20.

Solar halos.—24.

COMPARATIVE DATA FOR JANUARY.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1890	20.4	73	−42	3.81	35.1	10	11	8	12	s.
1891	27.6	68	−25	0.21	2.0	2	13	10	8	ne.
1892	26.7	73	−25	0.53	4.1	4	16	8	7	s.
1893	29.7	65	−28	1.59	10.9	4	16	5	10	s.
1894	28.0	70	−30	1.42	12.8	6	10	8	13	sw.
1895	25.9	61	−30	2.42	18.1	7	9	8	14	sw.
1896	33.9	79	−26	1.80	4.0	6	9	8	14	sw.
1897	30.2	65	−15	0.92	8.6	5	10	8	13	s.
1898	20.4	63	−28	0.69	6.8	4	12	9	10	n.
1899	31.8	65	−12	1.20	12.0	6	11	7	13	w.
1900	35.7	71	−10	0.42	0.5	2	16	5	10	sw.
1901	30.1	75	−19	1.51	8.3	5	13	6	12	sw.
1902	28.4	69	−32	0.51	6.4	4	12	9	10	sw.
1903	32.0	72	−16	1.81	9.8	3	16	5	10	sw.
1904	27.4	71	−22	0.53	4.4	3	17	6	8	sw.
1905	34.5	72	−11	0.66	2.1	3	11	8	12	s.
1906	28.7	66	−15	2.31	12.7	4	13	6	12	sw.
1907	27.0	73	−28	2.22	20.2	7	8	9	14	sw.
1908	32.5	75	−17	0.97	6.2	5	11	9	11	w.
1909	35.6	77	−16	2.47	6.3	6	9	10	12	sw.
1910	22.1	70	−28	1.28	11.4	4	12	8	11	sw.
1911	31.7	70	−28	2.76	12.6	8	13	6	12	s.
1912	31.5	73	−29	0.53	3.0	3	12	10	9	s.
1913	26.7	71	−38	0.69	8.8	4	16	6	9	w.
1914	34.2	87	−25	3.06	18.2	7	10	8	13	sw.
1915	30.2	78	−25	0.68	5.0	4	13	7	11	sw.
1916	24.1	66	−31	3.52	36.1	11	9	6	16	sw.
1917	17.8	68	−38	0.63	7.2	3	19	5	7	n.
1918	32.6	80	−25	0.70	5.6	4	14	8	9	n.
1919	30.1	70	−24	0.17	1.5	1	19	5	7	s.
Entire period	28.9	87	−42	1.40	10.0	5	13	7	11	sw.

Climatological data for January, 1919.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days.				Prevailing direction of the wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek (near)	Elko	6,600									6	0.57		0.41	11.5	7	16	7	8	s.	U. S. Forest Service.
Mahoney Ran. Sta.**	do	6,200	4								4										Do.
Owyhee	do	5,400	8	28.1^{b}		52^{b}	20	−24^{b}	1	47^{b}	8	0.65		0.25	5.0	7	18^{b}	4^{b}	7^{b}	s.	R. A. Schwab.
San Jacinto	do	5,200	14	28.3	+2.0	56	18	−21	1	47	14	T.	−0.62	T.	T.	0	18	2	11	s.	Utah Construction Co.
Tascarora (near)	do										11	0.51		0.28	6.5	4	14	4	13	s.	D. B. Williams.
Humboldt Basin.																					
Arthur	Elko	6,500									9	T.	−1.29	T.	0	0	25	5	1		Isaac Woodhouse.
Austin	Lander	6,594	30	30.8^{a}	+2.0	58^{a}	5	5^{a}	1	40^{a}	30	T.	−1.17	T.	T.	0	20	6	5	w.	Forest Service.
Battle Mountain	do	4,513	48	26.6	−2.2	56	23	−17	1	40	50	0.00	−0.87	0.00	0	0	18	4	9	w.	Southern Pacific Co.
Beowawe	Eureka	4,695	48	26.3	−0.9	58	23	−12	†2	44	50	0.01	−0.76	0.01	0	1	17	13	1	sw.	Do.
Clover Valley**	Elko	6,000	18	27.2	+2.1	57	23	−10	1	48	26	0.33	−1.82	0.33	0	1	20	3	8		J. D. Weeks.
Elko	do	5,063	48	25.3	+2.3	53	23	−7	†7	46	49	T.	−1.67	T.	T.	0	18	5	8	sw.	Western Pacific Co.
Eureka	Eureka	6,837	21	28.1	+0.5	51	23	−5	2	41	23	0.01	−1.54	0.01	0.5	1	17	6	8	n.	Clay Simms.
Golconda	Humboldt	4,392	40	29.3	−0.2	55	23	−8	1	30	42	T.	−0.73	T.	0	0	12	15	4	e.	Southern Pacific Co.
Hylton **	Elko	7,081									9	0.09		0.09	1.0	1	22	7	2		Chas. Toyne, sr.
Imlay §	Humboldt	4,209	6	27.2	−3.1	56	23	−18	1	47	6	T.	−0.66	T.	0	0	16	10	5	n.	Southern Pacific Co.
Lamoille	Elko	6,100	4	27.3		60	22	−3	1	37	4	T.	−1.79	T.	T.	0	20	1	10	s.	Elko-Lamoille Power Co.
Lovelock	Humboldt	3,977	25	28.0	−3.9	61	23	−6	†1	44	23	T.	−0.67	T.	T.	0	17	2	12	n.	Harold W. B. Baker.
Metropolis §	Elko	5,661	6	21.0		47	18	−18	1	45	10	0.04	−1.36	0.04	1.0	1	20	2	9	w.	L. F. Hatch.
North Fork	do	6,500									10	0.20		0.10	2.0	2	20	5	6	s.	Roy C. Pratt.
Paradise Valley	Humboldt	4,500	6	19.4^{n}		49^{n}	9	−12^{n}	17	53^{n}	10	0.13		0.13	0	1	11^{m}	2^{m}	5^{m}	w.	F. C. Buckingham.
Potts	Nye	6,002	26	23.7	−0.8	45	23	−23	1	40	28	0.04	−0.49	0.04	0.5	1	23	1	7	s.	Miss Irene Potts.
Tecoma	Elko	4,812	41	24.0	+1.1	54	22	−9	1	47	43	0.00	−0.62	0.00	0	0	14	6	11	e.	Southern Pacific Co.
Winnemucca	Humboldt	4,344	42	29.2	+0.4	26	23	−15	1	43	50	0.10	−0.94	0.04	0.3	3	19	0	12	ne.	U. S. Weather Bureau.
Truckee Basin.																					
Franktown††	Washoe	5,054	2								2										Agent V. & T. Ry.
Marlette Lake**	do	7,900	4	26.8		53	10	2	1	45	6	1.43		0.98	19.4	7	18	6	7	sw.	V. & G. H. Water Co.
Reno	do	4,532	32	33.7	+1.2	58	18	6	1	35	32	0.42	−1.53	0.27	3.6	3	19	4	8	w.	U. S. Weather Bureau.
Tahoe, Cal		6,230	11	28.1		46	10	3	1	35	11	2.15		1.40	23.0	9	15	6	10	s.	Mrs. Emma C. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	25	29.1	−1.7	63	23	−4	†1	43	25	T.	−0.62	T.	0	0	24	4	3	e.	U.S. Experiment Station.
Lahontan **	do	4,200	7	32.4		60	23	3	†1	36	9	T.		T.	0	0	18	9	4	ne.	U.S. Reclamat'n Service.
Minden	Douglas	4,730	28	34.2^{b}	+3.2	55^{b}	†10	−1^{b}	1	38^{b}	29	0.35	−2.30	0.35	5.0	1	15	0	16		Forest Service.
Markleeville, Cal		5,525									10	0.61		0.55	10.0	2	19	9	3	s.	Mrs. Mary Thornburg.
Walker Basin.																					
Mina §	Mineral	4,350	12	34.2	+0.3	70	12	0	8	47	23	0.00	−0.50	0.00	0	0	23	0	8	se.	Southern Pacific Co.
Smith	Lyon	4,800									11	0.47		0.45	4.5	2	13	13	5	sw.	C. M. Carter.
Thorne §	Mineral	4,200	6	36.2	+1.7	66	23	8	8	34	6	T.	−0.56	T.	0	0	19	8	4	s.	Southern Pacific Co.
Yerington §	Lyon	4,375	10	29.4	−3.3	63	23	−10	1	52	10	0.05	−0.54	0.05	0	1	15	12	4	s.	W. H. Churchyard.
Shields Ranch, Cal.**		5,300									10	T.		T.	0	0	24	4	3	s.	Bruce H. Chichester.
Colorado Basin.																					
Indian Springs §**	Clark	3,136	5								5										Ira MacFarland.
Las Vegas	do	2,033	17	46.8	+5.0	70	†24	15	1	45	17	0.37	−0.12	0.35	0	2	20	5	6	nw.	C. P. Squires.
Logandale §	do	1,355	12	45.4	+2.7	70	†24	15	2	41	20	0.36	−0.54	0.36	0	1	24	6	1	n.	Bert Mills.
Minor Basins.																					
Beatty	Nye	3,309	3	41.2		68	24	10	1	42	3	0.07		0.07	0	1	21	6	4	s.	E. E. Palmer.
Duck Flat **	Washoe	4,725									5										C. T. Smith.
Gerlach	do	3,931	7	26.6		53	†22	−9	1	38	7	0.11		0.07	1.5	2	15	3	13	n.	Western Pacific Co.
Goldfield	Esmeralda	5,700	12	33.8	+2.1	59	20	1	1	34	14	T.	−1.08	T.	T.	0	31	0	0	n.	R. G. Jones.
Jungo	Humboldt	4,165									6	0.00		0.00	0	0	12	3	16	w.	Western Pacific Co.
Lemons Valley**	Washoe	5,060									5	0.05		0.05	1.0	1	19	0	12	w.	W. J. Webster.
McDermitt	Humboldt	4,700	8	30.2	+3.1	55	29	−4	1	39	32	0.28	−1.45	0.10	4.0	3	29	2	0	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	9	28.4	+2.8	50	22	−11	1	40	9	T.	−1.03	T.	T.	0	21	4	6	n.	R. E. Middagh.
Millett	Nye	5,040	11	23.0	−4.0	58	23	−15	1	46	12	T.	−0.97	T.	T.	0	21	2	8	n.	Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	7	30.5	+0.3	55	23	2	7	44	7	0.00	−0.75	0.00	0	0	29	1	1	s.	Arthur L. Stewart.
Pahrump	Nye	2,608	5								5										F. M. Buol.
Quinn Riv. Ranch **	Humboldt	4,850	17	27.6	+1.0	56	16	−12	1	43	18	0.37	−0.82	0.20		5	16	2	13	s.	F. M. Payne.
Rebel Creek	do	4,300	7	31.8		53	†23	−3	1	34	8	0.07		0.05	0	3	15	7	9	sw.	Fred Whitaker.
Sand Pass **	Washoe	4,198	6	30.4		55	22	−3	1	37	6	0.16		0.16	T.	1	15	1	15	se.	R. R. Mott.
Searchlight	Clark	3,445	6	45.9		69	23	19	2	24	6	0.50		0.50	0	1	23	3	5	n.	C. L. Aug. Mahn.
Sharp	Nye	6,200	5	30.6		51	23	−4	1	34	5	0.08		0.08	1.0	1	26	0	5	nw.	Pauline F. Youngs.
Sulphur	Humboldt	4,044	6	23.9		58	26	−11	†1	50	6	0.03		0.03	0	1	16	7	8	sw.	Western Pacific Co.
Tonopah	Nye	6,090	14	33.2		52	23	5	1	18	14	0.10		0.10	T.	1	23	7	1	se.	U. S. Weather Bureau.
Vya	Washoe	5,500									6	0.45		0.14	6.5	6	24	0	7	sw.	L. A. Mariette.
For the State				30.1	+0.5	70	†12	−24	1	53		0.17	−0.99	0.98	1.5	1	19	5	7	s.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Mahoney Ranger Station, Jarbridge; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of Lahontan, Hazen; of Shields Ranch, Coleville, Cal.; of Duck Flat, Sunkist; of Oasis Ranch, Oasis, Cal.; of Lemmons Valley, Reno; of Quinn River Ranch, Amos; of Sand Pass, Flanigan.

Reference letters, ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing, for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for January, 1919.

Stations.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Columbia Basin.																																
Gold Creek (near)											.01	.03				.03	.06			.02	.11	.01	T								T	0.57
Mahoney Ranger Station ‖‖																																....
Owyhee											.03	.09				.03	.04			.05	.25	.16										0.65
San Jacinto																				T				T.								T
Tuscarora (near)																	.03			.04	.28	.16										0.51
Humboldt Basin.																																
Arthur																				T												T
Austin																	T			T	T											T
Battle Mountain																																0.00
Beowawe																					.01											0.01
Clover Valley																				.33												0.33
Elko											T.						T															T
Eureka																					.01											0.01
Golconda																	T				T.										T	T
Hylton																				T	.09											0.09
Imlay																	T.				T.											T
Lamoille ‖‖											T.	T.						T.			T.	T.		T.								T
Lovelock																					T.											T.
Metropolis ‖‖											.04						T.															0.04
North Fork																.10	.10															0.20
Paradise Valley																	.13															0.13
Potts																															.04	0.04
Tecoma																																0.00
Winnemucca***											.02						.04			T.	.04										T	0.10
Truckee Basin.																																
Franktown																																....
Marlette Lake ‖‖											.02	.02				.04	.10	.02	T.	.98	.25											1.43
Reno ***											T						T.		.01	.26			T.								.15	0.42
Tahoe, Cal. ‖‖											.10	.07				.09	.14	.01	.15	1.40	.07			.12								2.15
Carson Basin.																																
Fallon ‖‖																		T.														T.
Lahontan																				T.												T.
Minden																				.35												0.35
Markleeville, Cal																			.55												.06	0.61
Walker Basin.																																
Mina																																0.00
Smith																				.02											.45	0.47
Thorne																	T.															T.
Yerington																	.05															0.05
Shields Ranch, Cal																	T.															T.
Colorado Basin.																																
Indian Springs ‖‖																		T.														
Las Vegas																														.02	.35	0.37
Logandale																															.36	0.36
Minor Basins.																																
Beatty																															.07	0.07
Duck Flat																																....
Gerlach												.07								.04												0.11
Goldfield																															T	T
Jungo																																0.00
Lemmons Valley																	T.		T.	.05	T		T.									0.05
McDermitt										.08										.10	.10			T.								0.28
McGill	T.					T.																										T.
Millett																															T.	T.
Oasis Ranch																																0.00
Pahrump																																
Quinn River Ranch											.04					.02	.05			.06	.20											0.37
Rebel Creek																.05	.01			T.	.01											0.07
Sand Pass																			T.	.16											T.	0.16
Searchlight																															.50	0.50
Sharp																															.08	0.08
Sulphur																	.03		T.	T.												0.03
Tonopah***																															.10	0.10
Vya ‖‖											.07		.07			.03			.07	.14											.07	0.45

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau stations: precipitation is for the 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

Daily evaporation (inches) and wind movement (miles) for January, 1919.

(See temperature and precipitation data in climatological tables pages 4 to 6.)

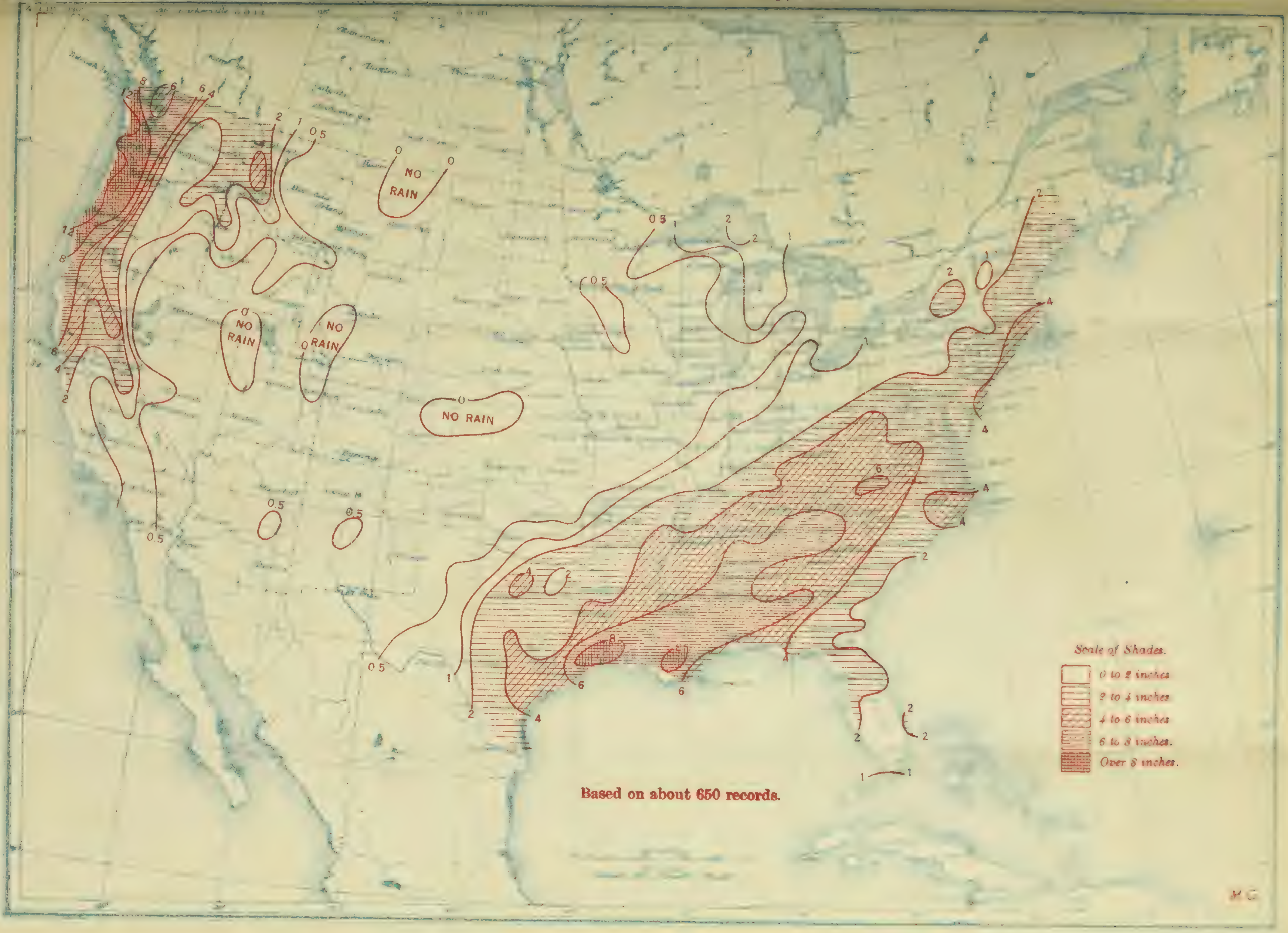
Stations.	Data.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Monthly.
Indian Springs*	Evaporation																																
	Wind movement																																
Marlette Lake.,*	Evaporation																																
	Wind movement																																
Lamoille*	Evaporation																																
	Wind movement	48	40	33	56	50	33	40	21	17	30	37	78	60	49	23	80	93	58	30	62	71	49	52	90	29	61	78	40	21	49	35	1,513
Tahoe, Cal. ** †	Evaporation	.020	.090	.045	.060	.075	.075	.080	.050	.030	.015	.035	.045	.095	.055	.075	.040	.015	....	.030	....	.055	.085	.095	.075	.110	.075	.050	.035	.035	.045	.045	2.093
	Wind movement	81	65	84	119	13	86	76	117	51	54	125	7	128	52	44	67	56	46	135	84	52	52	72	112	51	42	61	64	61	63	44	2,164

* Observations taken at 7 a. m.; ** at 8 a. m. ‡ Included in next following entry. † Readings made in standard pan exposed on float in lake.

Daily temperatures for January, 1919.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Owyhee	Maximum	20	26	39	44	43	34	36	38	47	44	40	34	37	36	41	42	....	....	46	52	34	50	49	41	40	39	42	46	47	45	40	40.4
	Minimum	−24	−6	0	−2	0	−4	−6	−7	0	33	27	18	27	6	26	30	....	....	33	39	26	32	38	22	30	27	17	19	15	14	29	15.8
San Jacinto	Maximum	24	37	47	45	44	41	45	44	44	40	43	36	40	38	42	46	48	56	46	43	45	46	55	45	42	42	45	49	52	48	48	44.1
	Minimum	−21	1	10	1	0	−2	−2	4	10	24	20	9	13	1	22	24	38	23	26	24	25	24	32	11	14	12	3	12	10	4	14	12.5
Humboldt Basin.																																	
Austin	Maximum	28	35	40	55	58	40	48	42	44	50	40	....	38	40	46	48	48	52	48	42	39	50	50	45	35	42	41	50	44	44	39	42.6
	Minimum	5	8	10	15	22	10	14	10	22	30	21	....	10	20	24	26	28	30	30	24	21	25	29	21	19	17	10	24	21	18	22	18.9
Battle Mountain	Maximum	22	23	22	23	26	26	29	29	33	42	44	40	35	34	49	46	47	51	50	51	43	51	56	53	48	49	49	48	51	49	47	40.8
	Minimum	−17	−7	−8	−10	−9	−7	−11	−10	−7	11	19	13	0	8	17	31	33	26	24	32	31	32	32	21	23	22	21	19	20	12	19	12.3
Clover Valley	Maximum	23	40	40	39	39	40	40	39	39	35	41	39	43	46	41	40	55	55	24	40	39	55	57	48	48	49	49	49	51	50	41	43.1
	Minimum	−10	−3	2	4	0	−3	−2	0	0	8	15	8	8	−2	9	24	34	25	14	25	21	24	24	24	20	18	14	13	12	11	17	11.4
Elko	Maximum	28	28	30	30	28	32	39	35	32	35	42	37	40	36	43	45	49	40	46	42	38	52	53	50	43	45	43	42	42	43	44	39.7
	Minimum	−3	12	2	0	−6	−6	−7	−5	−7	7	14	2	2	−3	9	21	29	24	21	24	22	26	28	23	22	19	15	13	12	12	16	10.9
Eureka	Maximum	16	27	34	42	38	41	38	36	48	43	43	31	35	35	45	47	50	50	43	41	40	48	51	45	40	40	40	44	43	44	39	40.6
	Minimum	0	−5	6	5	10	6	8	5	7	29	26	10	3	4	21	21	26	29	31	29	21	23	29	20	17	14	12	15	15	18	29	15.6
Imlay	Maximum	29	28	20	32	31	34	35	34	34	35	34	33	33	40	50	49	48	47	50	45	40	50	56	51	43	47	46	51	51	50	45	41.0
	Minimum	−18	−10	−10	−10	−10	−11	−12	−12	−10	11	15	10	8	34	32	33	26	33	30	28	32	34	28	23	23	20	19	18	22	16	24	13.4
Lamoille	Maximum	16	30	36	39	36	37	34	36	40	41	36	30	32	29	45	45	47	45	48	31	38	60	55	36	36	40	37	41	41	39	36	38.5
	Minimum	−3	−2	11	14	12	10	6	11	6	17	19	12	15	5	14	21	36	28	22	25	24	23	25	21	22	19	21	15	12	15	22	16.1
Lovelock	Maximum	26	31	34	34	36	32	37	32	31	44	48	45	43	39	50	49	46	55	57	49	47	55	61	53	49	52	52	54	53	51	48	44.9
	Minimum	−6	−6	−4	−3	−4	−1	−4	−4	−3	18	24	15	7	6	10	29	25	16	20	29	22	26	19	23	18	15	10	10	9	10	15	11.0
Metropolis	Maximum	16	28	29	32	28	32	32	27	34	38	39	34	33	27	33	40	40	47	41	36	33	41	45	41	40	37	39	40	42	40	38	35.5
	Minimum	−18	1	4	−2	−6	1	−6	−7	−10	5	−6	1	0	−7	6	12	27	18	17	24	19	27	20	19	16	12	7	6	7	5	11	6.5
Paradise Valley	Maximum	23	30	31	36	35	38	41	45	49	45	42	44	40	47	46	41	60	....	....	....	....	....	....	....	....	....	....	....	....	....	....	40.8
	Minimum	−10	−4	−4	−4	−4	−4	−3	−4	−4	6	−1	−2	5	7	4	0	−12	....	....	....	....	....	....	....	....	....	....	....	....	....	....	−2.0
Potts	Maximum	11	25	29	31	26	26	26	27	36	42	35	31	29	27	41	44	42	41	41	38	40	43	45	41	35	36	34	36	38	41	40	34.7
	Minimum	−25	−14	−10	−4	−5	−2	−9	−6	−4	19	18	−3	−5	−8	11	21	18	22	22	24	16	16	21	12	17	10	6	8	8	11	19	12.7
Tecoma	Maximum	21	20	31	33	34	36	42	41	45	40	42	41	43	41	38	45	44	43	46	47	48	54	53	50	53	50	51	48	49	48	47	42.6
	Minimum	−9	−3	−3	−1	−2	−1	0	−1	0	−2	3	4	6	0	7	6	15	14	17	16	20	10	12	14	10	6	4	3	2	5	11	5.3
Winnemucca	Maximum	21	27	34	34	36	35	38	38	40	43	42	41	40	37	50	49	48	55	51	41	40	53	56	46	46	46	48	48	51	50	42	42.8
	Minimum	−15	−4	−3	−3	−6	−5	−5	−1	3	21	21	17	10	17	17	35	33	27	27	31	30	35	34	25	21	25	17	19	21	14	23	15.5
Truckee Basin.																																	
Marlette Lake	Maximum	19	32	42	38	47	42	44	48	53	46	31	34	31	30	33	34	34	40	37	27	34	43	38	34	38	37	37	35	34	38	33	36.9
	Minimum	2	4	10	15	15	22	13	13	8	18	12	21	10	14	25	28	28	24	24	24	18	20	26	20	10	10	12	19	16	14	21	16.6
Reno	Maximum	30	38	42	44	43	39	43	42	32	49	47	46	46	38	52	48	48	58	52	43	46	54	54	51	48	54	51	53	53	53	46	46.5
	Minimum	6	7	10	10	11	12	10	10	9	23	32	25	18	17	25	33	31	23	37	31	27	24	35	26	24	25	21	20	20	20	26	20.9
Tahoe, Cal	Maximum	28	42	41	44	41	42	45	41	40	46	39	39	41	45	40	35	36	38	38	35	39	41	39	45	40	43	44	41	43	43	35	40.4
	Minimum	3	7	9	11	14	17	11	13	14	20	21	20	11	14	18	18	31	21	27	25	16	18	22	15	14	15	11	13	13	12	15	15.8
Carson Basin.																																	
Fallon §§	Maximum	25	28	32	32	33	35	33	33	27	41	48	45	40	35	56	51	55	57	60	50	49	60	63	51	47	52	48	49	50	51	46	44.6
	Minimum	−4	−4	−1	−1	−1	0	−1	−3	−2	15	18	16	10	9	13	29	33	21	39	34	26	23	25	20	22	18	13	13	12	13	18	13.6
Lahontan	Maximum	27	30	32	35	35	35	36	35	20	44	50	49	43	37	56	53	55	59	59	47	47	58	60	52	50	52	50	51	58	54	47	45.8
	Minimum	3	3	5	6	5	6	6	7	6	12	24	27	15	16	20	22	34	25	27	33	30	30	31	26	27	27	23	21	21	22	28	19.0
Minden	Maximum	29	....	....	....	....	....	....	....	....	55	50	45	42	46	53	52	52	55	51	42	48	48	54	46	45	50	47	47	48	50	45	47.8
	Minimum	−1	....	....	....	....	....	....	....	....	18	28	25	12	9	15	35	43	20	35	29	22	19	28	22	21	21	11	13	16	14	22	20.6
Walker Basin.																																	
Mina	Maximum	37	41	42	41	42	43	45	43	49	53	52	70	42	49	51	56	55	54	56	57	55	52	66	56	48	50	53	56	54	59	51	50.9
	Minimum	7	8	4	5	4	3	4	0	7	43	23	31	18	23	23	25	25	21	28	26	23	17	29	20	26	16	11	19	14	12	23	17.4
Thorne	Maximum	32	30	34	36	38	40	36	34	38	55	58	54	48	48	56	54	63	60	64	54	54	58	66	54	50	48	52	50	48	52	50	48.8
	Minimum	14	10	12	12	14	10	12	8	10	28	30	28	18	22	32	36	32	34	48	46	31	26	36	26	32	22	20	22	15	18	28	23.6
Yerington	Maximum	31	31	37	38	40	40	39	36	28	49	51	50	46	37	56	55	60	60	60	52	53	61	63	52	52	55	52	53	55	54	48	48.2
	Minimum	−10	−6	−4	−5	−3	0	−2	−4	−2	20	18	23	10	7	12	25	23	18	22	32	22	17	11	20	19	18	10	9	6	8	18	10.7
Colorado Basin.																																	
Indian Springs	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Las Vegas	Maximum	46	50	60	65	65	65	65	67	67	65	67	69	63	69	57	58	64	64	66	68	67	68	68	70	70	65	68	68	68	65	65	64.6
	Minimum	15	18	24	28	27	26	20	25	24	30	30	30	35	25	21	28	24	36	40	45	32	28	27	28	33	36	38	29	24	35	38	29.0
Logandale	Maximum	44	48	60	65	61	59	65	64	66	60	65	63	59	60	57	53	61	59	56	63	67	68	67	70	70	64	66	68	67	66	58	61.9
	Minimum	16	15	22	24	25	22	25	27	27	35	35	35	31	27	26	26	25	27	27	32	34	31	33	31	35	30	33	30	32	39	41	29.0
Minor Basins.																																	
Beatty	Maximum	36	49	56	60	59	63	59	62	63	59	59	60	55	52	52	55	61	66	56	56	62	67	64	68	61	60	62	47	59	63	52	58.2
	Minimum	10	17	24	29	28	23	26	24	25	28	28	21	21	15	18	29	22	32	23	21	25	29	24	26	26	28	28	25	23	26	30	24.3
Gerlach	Maximum	28	28	27	28	31	28	30	29	23	35	45	40	40	36	45	46	45	50	46	45	45	53	53	48	45	50	49	45	47	48	46	40.5
	Minimum	−9	−5	−3	−6	−6	−6	−6	−6	−5	16	23	23	9	9	9	30	38	20	28	31	30	29	28	26	19	19	14	13	11	10	12	12.7
Goldfield	Maximum	24	36	40	45	45	44	44	48	52	50	48	42	39	43	46	56	52	56	46	59	48	54	57	52	46	46	47	57	50	50	44	47.3
	Minimum	1	6	11	16	14	14	14	19	18	32	25	18	12	11	21	22	22	29	32	29	24	21	30	23	28	20	20	29	21	19	27	20.4
McDermitt	Maximum	27	32	31	37	45	44	44	45	44	46	48	49	46	37	42	44	46	50	48	48	34	40	49	40	44	45	47	52	55	54	47	43.9
	Minimum	−4	−3	−2	5	8	8	8	7	9	9	12	10	13	13	20	24	26	27	26	29	27	28	30	22	24	23	24	21	23	24	21	16.5
McGill	Maximum	14	28	36	37	42	39	35	40	41	43	46	38	31	41	42	48	49	45	42	42	42	50	48	47	41	42	41	47	49	47	43	41.2
	Minimum	−11	−4	3	4	6	10	5	9	12	24	28	11	17	1	12	18	31	30	31	27	26	22	23	24	19	15	14	15	16	20	27	15.6
Millett	Maximum	18	31	31	31	27	30	34	29	25	49	47	35	32	30	43	42	41	46	51	46	47	46	58	49	44	43	41	44	45	46	42	39.5
	Minimum	−15	−12	−5	−7	−10	−10	−8	−11	−10	12	20	0	−3	−5	6	16	12	23	16	30	23	17	12	21	24	13	10	7	7	10	16	6.4
Oasis Ranch	Maximum	26	40	41	45	38	40	39	49	50	49	47	42	40	42	45	47	50	53	49	50	47	51	55	52	48	50	46	49	48	50	45	46.0
	Minimum	5	6	12	7	8	4	2	5	6	28	20	11	7	8	17	25	16	25	29	28	24	19	23	13	30	19	12	10	11	14	20	15.0
Rebel Creek	Maximum	21	29	32	34	32	42	38	39	37	41	39	42	40	36	44	46	47	52	48	43	38	51	53	44	44	48	46	52	53	47	43	42.0
	Minimum	−3	5	7	7	7	7	15	7	10	21	30	25	16	14	24	35	42	31	34	32	30	36	43	27	23	28	24	22	24	23	23	21.6
Sand Pass	Maximum	29	32	35	35	31	27	31	32	34	39	47	42	43	35	50	50	49	52	49	45	51	55	54	50	46	52	48	47	51	48	42	42.9
	Minimum	−3	1	5	5	7	12	4	0	2	18	28	26	13	13	13	33	36	24	32	30	31	29	42	25	22	22	18	19	19	17	16	18.0
Searchlight	Maximum	36	37	47	52	51	53	51	52	56	55	61	58	50	47	52	51	59	61	62	56	54	58	65	61	56	55	54	55	56	56	47	53.7
	Minimum	20	19	30	38	40	38	39	38	44	46	38	38	35	34	35	36	42	48	39	40	38	39	44	37	43	39	39	38	43	45	40	38.1
Sharp	Maximum	18	36	41	41	43	48	43	47	50	45	45	38	37	36	44	46	49	48	46	42	42	49	51	50	49	48	44	46	47	45	39	43.6
	Minimum	−4	2	20	22	11	18	14	17	22	24	20	16	16	6	18	20	21	30	20	21	21	23	22	18	20	18	16	20	18	16	17	17.5
Sulphur	Maximum	29	27	23	22	27	25	26	30	22	38	42	42	35	31	48	51	53	56	51	45	45	57	56	50	56	58	51	46	48	49	47	41.4
	Minimum	−11	−9	−3	−6	−8	−6	−5	−8	−11	−9	−8	−4	−2	3	6	8	15	13	17	18	21	22	28	22	23	26	14	14	13	14	11	6.4
Tonopah	Maximum	13	26	32	34	35	38	37	44	45	44	39	34	33	34	41	44	50	51	41	40	41	50	52	46	40	40	41	49	44	44	38	40.1
	Minimum	5	8	16	24	22	25	22	27	35	30	28	25	19	21	26	32	34	34	31	28	26	32	36	30	24	25	27	31	33	30	27	26.2

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.



Based on about 650 records.

The snowfall to January 31st of this season was light throughout Nevada and in the Sierra Nevada Mountains where the upper drainage basins of western streams are situated. However, the amount of precipitation in the mountains during this period was much greater than for the corresponding period of last year. The records show that the precipitation to January 31st in the western mountains was about the same as that for the same period of 1916-1917, and double the amount for the season to January 31st of 1917-1918. The precipitation at Tahoe for the season ending January 31, 1919 was 13.16 inches; last year for the same period it was 5.80 inches, and two years ago it was 13.23 inches. Moderate amounts of precipitation fell in all portions of this section during September, October, and November; the December snowfall was about 70 per cent of the normal, and January was exceedingly dry. During the first decade of February heavy snowfall was reported in the Sierras, and moderate amounts in the eastern and northern mountain ranges, and these storms will add materially to the amount of snow in the mountains at the close of January.

In the Truckee Basin the snowfall for January ranged from 17 inches in the lower elevations to 48 inches at the 7,000-foot level. A course of snow measurements made near Summit station, just west of the divide, gave an average of 13.7 inches of water in an average depth of 46 inches of snow on January 31, 1919. This is about one-third of the normal amount of water in the snow cover in that location at the end of the season.

The level of Lake Tahoe was 6,226.20 feet on the last day of January, which is .93 of a foot lower than at the same time of last year.

The January snowfall was light in the Carson and Walker Basins. The base stations reported only a few inches, and no measurements were secured in the higher elevations.

The snowfall in the Humboldt Basin averaged much below normal. Only a few stations reported material depths on the ground at the end of the month.

Snowfall in the elevated regions of Nevada Section, January, 1919.

Stations.	Counties.	Altitude.	SNOWFALL. (Inches.)			
			Total snowfall.	Amount on ground on 15th of month.	Amount on ground on last day of month.	Depth on last day of month compared with normal.
Truckee Basin.						
Marlette Lake	Washoe	7,900	19.4	24	35	−33
Tahoe, Cal	Placer	6,230	23.0	12	23	−30
Truckee, Cal	Nevada	5,818	17.0	3	3	−31
Summit, Cal.*	Placer	7,017	48.0	10	42	−68
Carson Basin.						
Markleeville, Cal	Alpine	5,525	10.0	0	1	−13
Tamarack, Cal.*	do	8,000	.....	.....	.....	.....
Walker Basin.						
Shield's Ranch, Cal	Mono	5,300	T.	0	0	− 2
Smith	Lyon	4,800	4.5	0	4	+ 3
Humboldt Basin.						
Arthur	Elko	6,500	0.0	2	0	− 5
Austin	Lander	6,594	T.	0	0	.....
Eureka	Eureka	6,837	0.5	6	1	− 2
Gold Creek*	Elko	.....	11.5	12	20	.....
Hylton	do	7,081	1.0	7	6	− 4
Lamoille	do	6,100	T.	0	0	.....
Mahoney Ranger Station*	do	6,200	.....	.....	.....	.....
Metropolis	do	5,661	1.0	5	1	− 5
Millett	Nye	5,040	T.	0	0	.....
North Fork	Elko	6,500	2.0	6	6	− 4
Tuscarora	do	.....	6.5	4	5	.....
Winnemucca	Humboldt	4,344	0.3	0	0	0

T. indicates a trace. *Near divide of upper drainage basin.

INNE

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

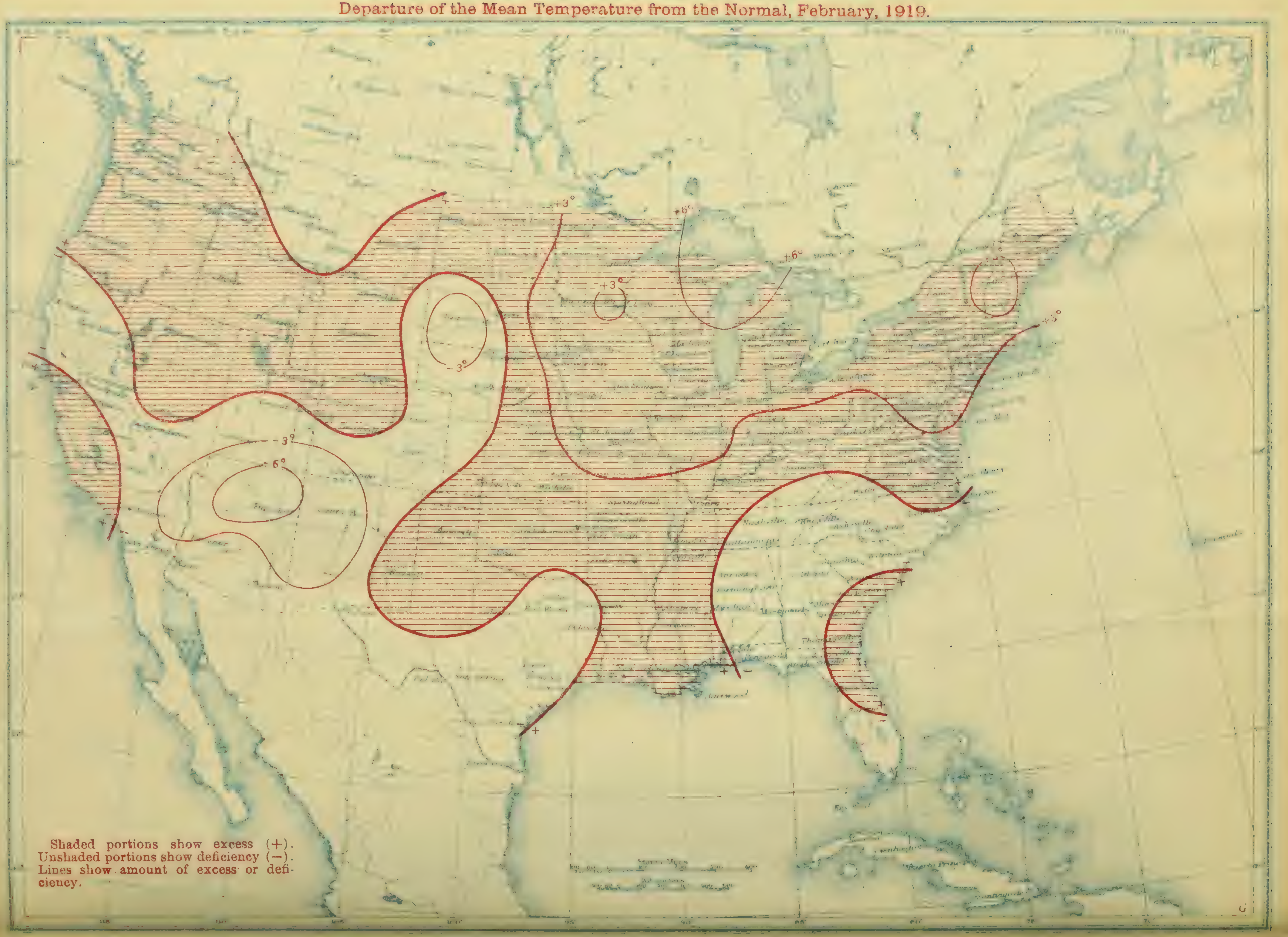
NEVADA SECTION

FEBRUARY, 1919

BY
HENRY F. ALPS
METEOROLOGIST

RENO, NEV.
WEATHER BUREAU OFFICE
MARCH 21, 1919.

Departure of the Mean Temperature from the Normal, February, 1919.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALPS, Meteorologist.

Vol. XXXIV. Reno, Nevada, February, 1919. No. 2.

GENERAL SUMMARY.

After a comparatively dry winter to January 31st, there was a decided change to stormy weather with the opening of February. Heavy snows fell in the mountains and moderately heavy rains in the valleys over the greater part of the State. The average, 1.63 inches, has only been exceeded during four Februarys since state-wide records started in 1890, and it was the heaviest February precipitation since 1904. The precipitation was heaviest in the extreme west portion and in the mountain sections of Elko County. The only area of importance where the monthly amounts fell below one inch was from Clark County northwesterly to Mineral County, thence northerly to the south portion of Humboldt County. The precipitation at Marlette Lake was 11.39 inches, which was the greatest monthly amount recorded in Nevada. At the end of the month the snow was deep in the Sierras. The depth at Summit near the upper watershed of the Truckee River was 145 inches. The depth of snow at Tamarack near the upper basin of the Carson River was 147 inches. Good depths were reported in the Humboldt Basin. The snowfall conditions in the different watersheds of Nevada streams are given on the last page of this bulletin.

The temperature averaged nearly normal for the month. The first fifteen days averaged above normal, and the remainder of the month below normal. The temperature extremes for the month were not unusual, the highest being 75° at Las Vegas in the extreme south portion of the State, and the lowest was 3° below zero at Owyhee in the extreme north portion of Elko County. The lowest temperatures recorded in Clark County ranged from 18° to 26°.

The month was favorable from an agricultural viewpoint. The precipitation put the soil in good condition for winter grain, range grasses, and meadows which will advance rapidly with the coming of warmer weather. Some plowing was done, although the ground was too wet in places for working. Winter wheat was doing well in Clark County. Cattle were generally being fed and reported to be wintering well. Sheep on ranges and ranches were in good condition. Lambing was in progress on ranches in the west portion, and on the range in the south portion.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 41 stations, was 33.5°. The mean for the 27 stations having ten or more years' record was 0.2° above normal. The highest recorded was 75°, at Las Vegas on the 9th; the lowest was —3°, at Owyhee on the 19th. The greatest daily range was 52°, at Austin on the 19th. The highest monthly mean was 47.8°, at Las Vegas and Logandale; the lowest was 23.4°, at Marlette Lake.

PRECIPITATION.

The average for 48 stations reporting was 1.63 inches. For the 27 stations having ten or more years' record, the mean was 0.37 inch above the normal. The average amount at 4 stations in the Columbia Basin was 2.80 inches; at 15 stations in the Humboldt Basin, 1.64 inches; at 2 stations in the Truckee Basin, 7.22 inches; at 3 stations in the Carson Basin, 1.07 inches; at 4 stations in the Walker Basin, 0.82 inch; at 3 stations in the Colorado Basin, 0.19 inch; at 17 stations in the minor basins, 1.23 inches. The greatest monthly fall was 11.39 inches, at Marlette Lake; the least was 0.09 inch, at Indian Springs. The average number of days with precipitation was 8.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric pressure (sea level)			Mean relative humidity.		Wind.			
						Average hourly velocity.	Max. velocity.		
	Mean.	Highest.	Lowest.	5 a. m.	5 p. m.		Miles per hour.	Direc.	Date.
Reno	29.99	30.29	29.37	78	64	7.1	37	w.	7
Winnemucca	29.97	30.35	29.42	85	66	8.7	42	sw.	26
Tonopah	29.99	30.31	29.27	80	61	11.6	43	se.	10

SUNSHINE AND CLOUDINESS.

At Reno, 50 per cent of the possible sunshine was recorded; at Winnemucca, 38 per cent; at Tonopah, 53 per cent. For the State, the average number of clear days was 6; partly cloudy, 6; cloudy, 16.

MISCELLANEOUS PHENOMENA.

(Dates of).

Brisk winds.—1, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27.

Fog.—15.

Hail.—1, 5, 11, 12, 26.

Lunar halos.—13, 14, 16.

Mock suns.—5, 25.

Sleet.—3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 26.

Solar halos.—3, 13, 16, 19, 23, 28.

Thunderstorm.—17.

COMPARATIVE DATA FOR FEBRUARY.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1890	30.7	88	−41	1.55	45.8	6	10	8	10	s.
1891	30.5	66	−19	2.39	10.4	8	8	8	12	s.
1892	33.4	65	−18	0.95	8.8	4	11	8	10	s.
1893	29.0	69	−40	1.43	13.8	5	10	7	11	w.
1894	25.7	71	41	1.92	19.3	6	11	7	10	sw.
1895	31.1	77	−35	1.23	11.1	4	13	6	9	n.
1896	35.4	86	−12	0.02	1.1	2	13	10	6	w.
1897	29.6	67	−22	2.09	14.3	8	8	7	13	sw.
1898	36.9	79	− 2	0.29	1.5	2	12	10	6	w.
1899	33.3	73	−27	0.55	4.7	4	13	7	8	w.
1900	35.3	76	−12	0.51	2.6	4	11	6	11	sw.
1901	31.6	77	−27	2.61	14.0	8	7	5	16	sw.
1902	36.4	75	−16	1.42	10.6	6	7	9	12	sw.
1903	20.7	86	−32	0.56	5.9	3	17	5	6	n.
1904	35.9	73	−15	2.48	8.6	7	9	7	13	sw.
1905	37.8	80	−37	1.13	8.1	4	14	6	8	n.
1906	36.4	69	2	1.03	4.4	5	10	6	12	sw.
1907	41.9	78	9	1.28	1.7	4	11	7	10	n.
1908	34.6	79	−10	1.07	9.0	4	12	9	8	s.
1909	33.5	73	− 7	1.03	7.5	5	9	9	10	sw.
1910	30.6	79	−27	0.37	4.4	2	11	9	8	sw.
1911	27.8	67	−26	1.12	11.2	5	12	7	9	s.
1912	36.3	79	− 3	0.26	0.6	2	11	10	8	w.
1913	31.8	74	−20	0.44	5.4	3	14	7	7	w.
1914	35.5	79	−16	0.87	3.8	5	15	6	7	w.
1915	36.5	70	− 5	1.38	10.5	7	7	8	13	sw.
1916	36.8	80	−25	0.89	7.2	5	14	6	9	w.
1917	30.5	75	−34	1.01	9.2	5	12	6	10	sw.
1918	33.2	79	−16	1.30	11.3	9	12	6	10	s.
1919	32.5	75	− 3	1.63	15.9	8	6	6	16	sw.
Entire period	33.1	88	−41	1.16	8.2	5	11	7	10	sw.

LATE REPORTS.

January, 1919.—Duck Flat, total precipitation, 0.35 inch; snowfall, 2.0 inches; number of days with precipitation 1; clear, 17; partly cloudy, 4; cloudy, 10.

Climatological data for February, 1919.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.						Number of days.				Prevailing direction of the wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	...	...	...	...	...	...	...	...	6	5.40	...	0.56	...	27	3	1	24	sw.	U. S. Forest Service.
Mahoney Ran. Sta.**	do	6,200	4	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	Do.
Owyhee	do	5,400	8	29.0^{b}	...	51^{b}	†8	-3^{b}	19	33^{b}	8	2.62	...	0.52	26.6	18	2^{a}	8^{a}	17^{a}	s.	E. A. Schwab.
San Jacinto	do	5,200	14	28.2	−0.6	50	8	4	24	36	14	0.67	+0.13	0.27	11.0	8	6	5	17	s.	Utah Construction Co.
Tuscarora (near)	do	...	...	...	...	...	...	...	...	...	11	2.53	...	0.40	32.0	19	3	2	23	s.	D. B. Williams.
Humboldt Basin.																					
Arthur	Elko	6,500	...	...	...	...	...	...	...	...	9	4.46	+3.17	0.99	45.4	13	7	9	12	nw.	Isaac Woodhouse.
Austin	Lander	6,594	30	30.5^{c}	+1.0	58^{c}	19	6	†19	52^{d}	30	2.02	+0.68	0.45	27.0	12	6	8	14	w.	Forest Service.
Battle Mountain	do	4,513	48	34.4	+0.2	59	10	17	23	31	50	...	...	...	...	...	1	9	18	w.	Southern Pacific Co.
Beowawe	Eureka	4,695	48	33.5^{a}	+2.4	56^{a}	†10	10^{a}	25	30^{a}	50	...	...	...	...	...	6	7	15	nw.	Do.
Clover Valley**	Elko	6,000	18	27.8^{d}	−1.2	45^{d}	6	5^{d}	26	35^{d}	26	2.04	−0.13	0.43	...	7	3	6	19	...	J. D. Weeks.
Elko	do	5,063	48	31.0	+2.3	54	8	3	24	33	49	1.35	+0.14	0.25	...	9	3	9	16	sw.	Western Pacific Co.
Eureka	Eureka	6,837	21	28.6	−1.1	49	†7	3	24	34	23	1.07	−0.03	0.25	18.5	8	4	9	15	n.	Clay Simms.
Golconda	Humboldt	4,392	40	34.6	+0.9	56	8	12	18	26	42	0.87	+0.30	0.24	9.0	6	0	18	10	w.	Southern Pacific Co.
Hylton**	Elko	7,081	...	...	...	...	...	...	...	...	9	1.48	...	0.32	16.0	9	8	7	13	...	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	6	35.3	+0.8	59	8	10	20	29	6	...	...	...	...	...	2	0	26	n.	Southern Pacific Co.
Lamoille	Elko	6,100	4	28.0	...	61	10	7	19	33	4	2.10	+0.39	0.44	...	10	7	0	21	se.	Elko-Lamoille Power Co.
Lovelock	Humboldt	3,977	25	35.9	0.0	58	11	9	19	34	23	0.83	+0.42	0.18	11.0	8	4	1	23	w.	Harold W. B. Baker.
Metropolis §	Elko	5,661	6	25.6	...	49	8	−2	19	35	10	1.11	+0.09	0.22	24.0	8	2	9	17	w.	L. F. Hatch.
North Fork	do	6,500	...	...	...	...	...	...	...	...	10	1.10	...	0.24	20.0	7	2	2	24	s.	Roy C. Pratt.
Paradise Valley	Humboldt	4,500	6	34.4^{d}	...	65^{d}	6	13^{d}	6	52^{d}	10	3.42	...	1.00	...	8	3^{d}	3^{d}	18^{d}	nw.	F. C. Buckingham.
Potts	Nye	6,002	26	30.0^{d}	+2.9	47	7	6^{g}	4	34^{g}	28	0.82	+0.16	0.42	11.0	6	4	2	22	n.	Miss Irene Potts.
Tecoma	Elko	4,812	41	29.8	+3.1	52	1	5	†3	39	43	0.40	−0.15	0.16	5.0	4	2	17	9	w.	Southern Pacific Co.
Winnemucca	Humboldt	4,344	42	33.4	+0.1	59	8	13	25	30	50	1.52	+0.59	0.35	10.4	15	1	6	21	sw.	U. S. Weather Bureau.
Truckee Basin.																					
Franktown	Washoe	5,054	2	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	Agent V. & T. Ry.
Marlette Lake**	do	7,900	4	23.4	...	41	17	0	24	35	6	11.39	...	2.50	118.5	20	1	11	16	sw.	V. & G. H. Water Co.
Reno	do	4,532	32	34.8	−0.8	59	8	13	3	28	32	3.05	+1.26	1.47	13.2	8	4	12	12	w.	U. S. Weather Bureau.
Tahoe, Cal.	...	6,230	11	26.1	...	44	8	2	24	33	11	14.20	...	3.29	101.0	20	0	6	22	s.	Mrs. Emma C. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	25	36.8	+0.7	60	†7	13	19	33	25	0.25	−0.25	0.08	6.8	5	8	10	10	sw.	U.S. Experiment Station.
Lahontan **	do	4,200	7	37.4	...	61	7	19	19	26	9	0.70	...	0.50	...	5	6	7	15	ne.	U.S. Reclamat'n Service.
Minden	Douglas	4,730	28	34.6^{a}	−1.4	58^{a}	†7	12^{a}	24	33^{a}	29	2.25	+0.71	0.50	14.0	6	2	0	26	sw.	Forest Service.
Markleeville, Cal.	...	5,525	...	...	...	...	...	...	...	...	10	6.21	...	2.22	39.5	10	2	8	18	s.	Mrs. Mary Thornburg.
Walker Basin.																					
Mina §	Mineral	4,350	12	34.4	−4.7	59	9	3	4	40	23	0.77	+0.49	0.32	12.5	3	9	0	19	nw.	Southern Pacific Co.
Smith	Lyon	4,800	...	...	...	...	...	...	...	...	11	0.49	...	0.55	...	5	2	11	15	sw.	C. M. Carter.
Thorne §	Mineral	4,200	6	36.4	−1.7	58	10	15	28	41	6	0.75	+0.38	0.55	9.0	3	8	13	7	nw.	Southern Pacific Co.
Yerington §	Lyon	4,375	10	34.6	−2.2	57	28	4	3	42	10	1.28	+0.81	0.84	...	6	5	9	14	s.	W. H. Churchyard.
Shields Ranch, Cal. **	...	5,300	...	...	...	...	...	...	...	...	10	2.03	...	0.65	10.0	6	15	4	9	s.	Bruce H. Chichester.
Colorado Basin.																					
Indian Springs §††	Clark	3,136	5	41.1^{f}	...	70^{f}	11	18^{f}	25	41^{f}	5	0.09	...	0.05	...	2	...	...	...	se.	Ira MacFarland.
Las Vegas	do	2,033	17	47.8	+2.6	75	9	25	2	43	17	0.30	−0.24	0.20	0	2	10	6	12	nw.	C. P. Squires.
Logandale §	do	1,355	12	47.8	+1.0	73	10	26	21	42	20	0.17	−0.47	0.06	0	4	18	7	3	...	Bert Mills.
Minor Basins.																					
Beatty	Nye	3,309	3	39.8	...	68	26	16	25	50	3	0.16	...	0.13	0	2	12	10	6	s.	E. E. Palmer.
Duck Flat **	Washoe	4,725	...	...	...	...	...	...	...	...	5	1.53	...	0.45	8.0	10	4	2	22	w.	C. T. Smith.
Gerlach	do	3,931	7	34.4	...	60	9	10	†21	30	7	1.08	...	0.40	14.0	5	4	3	21	sw.	Western Pacific Co.
Goldfield	Esmeralda	5,700	12	32.8	−3.6	54	7	13	25	35	14	0.36	−0.58	0.17	4.4	8	13	1	14	se.	R. G. Jones.
Jungo	Humboldt	4,165	...	...	...	...	...	...	...	...	6	0.54	...	0.42	7.5	4	6	0	22	n.	Western Pacific Co.
Lemons Valley**	Washoe	5,000	...	...	...	...	...	...	...	...	5	3.38	...	1.80	21.0	8	7	0	21	w.	W. J. Webster.
McDermitt	Humboldt	4,700	8	29.6	−1.1	55	9	8	20	30	32	1.75	+0.40	0.42	17.4	14	5	5	18	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	9	28.3	−0.2	52	8	4	24	29	9	1.69	+0.66	0.80	20.5	6	2	10	16	n.	R. E. Middagh.
Millett	Nye	5,040	11	31.2	−0.1	59	7	4	4	39	12	1.00	+0.46	0.41	14.0	7	6	4	18	s.	Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	7	34.6	−0.3	58	7	12	25	37	7	0.24	−0.43	0.24	3.0	1	14	7	7	n.	Arthur L. Stewart.
Pahrump	Nye	2,608	5	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...	...	...	F. M. Buol.
Quinn Riv. Ranch **	Humboldt	4,850	17	35.0	+4.9	61	5	14	19	29	18	1.61	+0.97	0.57	...	10	1	5	22	s.	F. M. Payne.
Rebel Creek	do	4,300	7	32.7	...	53	8	11	25	28	8	2.78	...	1.14	16.5	14	1	7	20	sw.	Fred Whitaker.
Sand Pass **	Washoe	4,198	6	...	...	...	...	...	...	...	6	...	...	...	...	...	...	...	...	...	R. R. Mott.
Searchlight	Clark	3,445	6	43.7	...	64	9	25	2	27	6	0.78	...	0.52	2.0	2	11	5	9	n.	C. L. Aug. Mahn.
Sharp	Nye	6,200	5	27.4	...	50	†6	2	†2	35	5	1.39	...	0.56	20.0	6	17	0	11	nw.	Pauline F. Youngs.
Sulphur	Humboldt	4,044	6	32.8	...	58	†8	10	24	30	6	0.40	...	0.10	5.0	5	2	9	17	sw.	Western Pacific Co.
Tonopah	Nye	6,090	14	30.1	...	46	8	15	24	25	14	0.40	...	0.09	5.2	8	7	9	12	se.	U. S. Weather Bureau.
Vya	Washoe	5,500	...	...	...	...	...	...	...	...	6	1.76	...	0.50	5.5	14	16^{a}	1^{a}	10^{a}	w.	L. A. Mariette.
For the State				33.5	+0.2	75	9	−3	19	52	...	1.63	+0.37	2.50	15.9	8	6	6	16	sw.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Mahoney Ranger Station, Jarbridge; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of Lahontan, Hazen; of Shields Ranch, Coleville, Cal.; of Duck Flat, Sunkist; of Oasis Ranch, Oasis, Cal.; of Lemmons Valley, Reno; of Quinn River Ranch, Amos; of Sand Pass, Flanigan.

Reference letters, ᵃ, ᵇ, ᶜ, appearing in the table indicate number of days missing, for example, ᵇ represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for February, 1919.

Stations.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Columbia Basin.																																
Gold Creek (near)	.02	.05	.06	.03	.15	.13	.16	.05	.11	.34	.18	.28	.14	.16	.13		.05	.25	.14	.11	*	*	*	*	1.28	.23	.33	.72				5.40
Mahoney Ranger Station ‖																																
Owyhee		.04	.08	.06	T.	.15			.12	.03	.20	T.	.14	.03			.52			.10	.06	.21	.16	.03	T	.24	.02	.10				2.29
San Jacinto		.05			T.		.08			.05	T				.03		.06			.06		.27				.07						0.67
Tuscarora (near)		.07		.14		.12	.16		.06	.08	.03	.06	.03		.07		.28	.07		.12	.12	.40	.12			.10	.08	.12				2.23
Humboldt Basin.																																
Arthur	.08	.12		.17		.21				.41	.69	.07		.12							.51	.99	.10			.10		.59				4.16
Austin	.20	.20								.10	.10	.05					.02		.45	.15	.22	.05				.25		.23				2.02
Battle Mountain																																
Beowawe																																
Clover Valley	.18	T.				T.	.42			.24	.13											.13				.22	T	.42				2.04
Elko	T.					.20			.10	T.	.20			.10							.10	.10	.20			.25		.10				1.35
Eureka	.10									.08	.20		.04				.10			.25		.10				.20						1.07
Golconda	T.	T.				T.			T	T.	.15	T.				.08				.16		.16	.08				.24					0.87
Hylton		T.	T.	.09	.07				T	T.	.28			.08			.12			.16		.31				.32		.05				1.48
Imlay																																
Lamoille ‖	T.	T.	T.	T.	T.	T.	T.	T.		.17	T.	.44	T.	T.	.08			.35		.04	.19	.03	.37	.03			.40	T				2.10
Lovelock	T.	.17							T.	.10	.05				.03					.18		.18				.06		.06				0.83
Metropolis ‖		.15				.18					.22				.11					.11		.10					.18	.06				1.11
North Fork	.08					.24				.16								.08				.18				.20		.16				1.10
Paradise Valley					*	.19		.17	.60	.90	.12						.18			.26					*	*	*	1.00				3.42
Potts	.04										.04				.20			.42		.08								.04				0.82
Tecoma	.08	.08				.16																.08										0.40
Winnemucca***	.02	.04		T.		.11	.01		.08	.13	.21	T.		.04	T.		.20		.08	T.	.06	.31	.03			.06		.14				1.52
Truckee Basin.																																
Franktown																																
Marlette Lake ‖	.35	.15	T.	T.	.11	.07	.55		.42	1.69	2.50	.14	.01				.28	.26	T.	.36	.02	.33	.35	.05		1.14	2.49	.12				11.39
Reno***	.36					T.	T.		.51	1.35	.14						.08		T.	T.	T.	.11	.01			.49		T.				3.05
Tahoe, Cal. ‖	.11	.02	T.		.21	.10	1.40	.08	1.54	1.85	3.29	.09	.03				.63	.15		.37	.02	.48	.45	T.		2.43	.78	.17				14.20
Carson Basin.																																
Fallon ‖		.04								.07								T.		.04	.02	.08					T.					0.25
Lahontan	.50	.05							T.	.09	T.								T.	.03		.03						T.				0.70
Minden	.37								.50	.35	.45						.10									.48						2.25
Markleeville, Cal						.09			1.22	1.17	2.22					.18	.20			.30	.10	.10				.63						6.21
Walker Basin.																																
Mina	.32		.18						.27																							0.77
Smith		T.							.31	.55	.24											.12				.27	T.					1.49
Thorne	.55	.12							T.		.08																					0.75
Yerington	*	.84							.12	.18	.02						T.			T.			.02			.10		T.				1.28
Shields Ranch, Cal	.25								.35	.65	.43									T.		T	.10			.25						2.03
Colorado Basin.																																
Indian Springs ‖																		.04					.05		T.							0.09
Las Vegas	.20																	.10														0.30
Logandale	.45																	.06		.01			.06				.04	T				0.17
Minor Basins.																																
Beatty	.13	.03																														0.16
Duck Flat	.04				.05				.27	.38	.45						.09		.07			.10				.06		.02				1.53
Gerlach	.02									.14		.28								.24		.40										1.08
Goldfield	.17	.06	.02	.03						.01	.03	.01					.03			T.	T.					T.						0.36
Jungo														.04					.04				.42				.04					0.54
Lemmons Valley	.32						.31		*	*	1.80						.21					.18			.56							3.38
McDermitt		.02				.07	.10		.25	.10	.25	.08	.04				.14			.07	.07		.42		.12		.02					1.75
McGill	.17										.40						.80			.27		.04				.01		T.				1.69
Millett	.41										.08						.03			.12	T.	.25				.05		.08				1.00
Oasis Ranch	.24									T.	T.								T.													0.24
Pahrump																																
Quinn River Ranch						.10		T.	T.	.38	.57			.03	.05		.24			.07		.05	.10			.02		T.				1.61
Rebel Creek						.02		.01	.10	.35	1.14	.01	T.	.05			.42			.17	.07	.17	.18			.06		.03				2.78
Sand Pass																																
Searchlight	.52																	.26														0.78
Sharp		.16									.28							.56		.21						.12		.06				1.39
Sulphur	T.					T.				.05	.10			T.			T.			.05		.10	.10			T.						0.40
Tonopah***	.16	.07	.02						.02	T.	.02				T.		.05	.03		.03						T.		T.				0.40
Vya ‖	.05			.02		.06	.08	.50		.30	.50			.02		.06	.04			.03	.02	.03		.05								1.76

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

Daily evaporation (inches) and wind movement (miles) for February, 1919.

(See temperature and precipitation data in climatological tables, pages 12 to 14.)

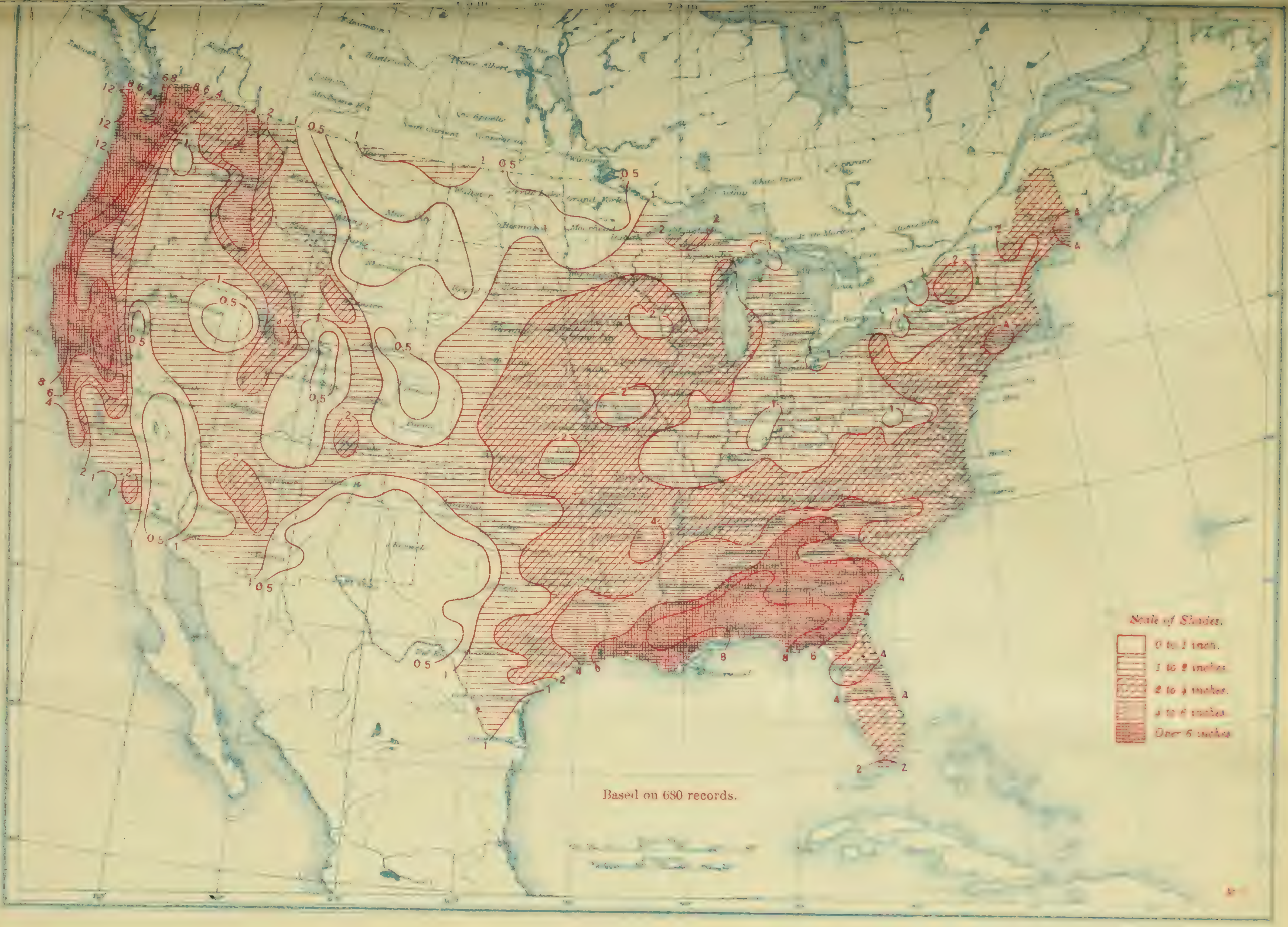
Stations.	Data.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Monthly.
Indian Springs*	Evaporation								.070	.066	.106	.201	.180	.140	.130	.130	.101	.110	.169	.025	.100	.090	.100	.098	.057	.105	.105	.190	.140				3.217
	Wind movement								20	35	20	114	119	134	33	47	30	35	108	46	30	96	40	50	54	38	19	157	62				1,287
Marlette Lake*	Evaporation																																
	Wind movement																																
Lamoille*	Evaporation																																
	Wind movement	36	32	48	49	91	115	130	60	35	85	140	77	63	47	18	57	43	40	41	26	38	69	60	43	68	132	134	84				1,855
Tahoe, Cal. ** ÷	Evaporation																																
	Wind movement																																

* Observations taken at 7 a. m.; ** at 8 a. m. ‡ Included in next following entry. ÷ Readings made in standard pan exposed on float in lake.

Daily temperatures for February, 1919.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Owyhee	Maximum	42	36	37	34	....	....	41	51	51	51	44	35	36	35	42	36	38	28	30	28	33	33	36	34	37	39	32	25	....	....	....	37.1
	Minimum	26	24	26	25	....	....	37	33	30	28	26	22	20	23	16	18	26	11	-3	9	18	20	16	16	16	22	23	19	....	....	....	21.0
San Jacinto	Maximum	37	37	41	39	45	35	39	50	49	41	42	33	34	37	35	42	42	32	37	30	30	34	35	31	35	37	32	35	....	....	....	37.4
	Minimum	22	21	17	16	29	23	29	14	32	16	30	23	19	11	26	15	28	15	14	22	18	9	8	4	16	21	20	14	....	....	....	19.0
Humboldt Basin.																																	
Austin	Maximum	....	....	....	....	45	43	45	46	46	48	41	40	45	38	45	48	55	54	58	30	37	40	32	41	42	37	39	39	....	....	....	43.1
	Minimum	19	12	16	20	26	19	19	21	24	26	27	20	23	19	21	20	18	17	6	19	14	21	15	6	12	8	17	16	....	....	....	17.9
Battle Mountain	Maximum	41	40	36	42	52	47	51	53	57	59	51	50	41	41	40	44	47	40	39	40	41	43	43	44	45	48	38	41	....	....	....	44.9
	Minimum	32	29	27	29	33	21	21	23	26	30	35	25	22	24	23	21	19	21	19	20	18	19	17	11	19	29	24	22	....	....	....	23.8
Clover Valley	Maximum	39	....	44	38	40	45	40	32	....	32	42	38	38	38	38	....	40	35	35	32	37	37	37	37	....	40	35	42	....	....	....	38.0
	Minimum	31	....	13	15	17	17	19	29	....	29	19	20	17	15	21	....	10	20	11	21	17	17	17	17	....	5	20	13	....	....	....	17.7
Elko	Maximum	43	44	45	47	42	45	46	54	48	44	44	34	37	39	41	43	40	36	38	36	35	34	35	36	39	37	39	36	....	....	....	40.6
	Minimum	24	23	21	25	21	23	32	32	31	30	32	23	24	18	27	19	31	20	15	18	14	7	12	3	8	22	20	21	....	....	....	21.3
Eureka	Maximum	37	36	30	36	44	45	49	49	45	43	39	32	49	35	44	45	41	30	38	31	34	37	32	30	41	38	37	35	....	....	....	38.6
	Minimum	28	16	12	12	22	17	28	27	32	29	28	18	17	17	18	15	24	18	15	22	15	18	9	3	7	24	16	13	....	....	....	18.6
Imlay	Maximum	37	38	36	40	52	52	53	59	57	52	50	45	44	46	45	47	44	40	39	35	39	43	37	38	37	47	41	43	....	....	....	41.1
	Minimum	32	31	24	30	33	32	33	30	33	32	32	28	31	30	29	22	31	27	25	10	22	30	24	23	20	18	15	16	....	....	....	26.5
Lamoille	Maximum	37	33	30	27	58	40	41	47	61	45	39	28	35	35	34	39	36	31	31	28	28	34	32	27	41	36	29	33	....	....	....	36.2
	Minimum	19	22	19	15	27	23	23	30	28	29	29	19	20	18	19	14	21	13	7	20	16	16	19	12	13	28	18	14	....	....	....	19.7
Lovelock	Maximum	44	39	35	43	53	49	57	57	57	53	58	44	46	51	49	50	45	43	41	39	41	43	41	45	47	43	45	45	....	....	...	46.5
	Minimum	34	29	29	27	29	29	35	23	32	26	38	23	26	27	31	16	25	25	9	26	18	27	21	14	15	29	20	25	....	....	....	25.3
Metropolis	Maximum	39	38	32	32	40	37	39	49	46	37	35	36	33	36	42	36	37	33	33	27	25	34	27	26	34	35	28	30	...	...	....	34.9
	Minimum	27	23	22	19	26	13	29	25	22	26	30	19	16	12	22	4	22	13	-2	12	15	10	2	-2	2	22	12	13	....	....	....	16.2
Paradise Valley	Maximum	....	....	....	....	60	65	57	50	40	42	45	49	45	49	46	43	41	37	38	40	43	41	44	45	44	48	46	45	....	....	....	46.0
	Minimum	....	....	....	....	16	13	25	26	28	29	22	21	21	22	20	23	21	24	19	20	21	20	18	29	33	31	30	15	....	....	....	22.8
Potts	Maximum	35	34	29	40	43	44	47	45	42	44	34	35	40	38	40	30	40	35	33	40	41	41	37	37	32	30	37	35	....	....	....	37.8
	Minimum	24	11	16	6	20	21	29	25	36	32	24	25	22	22	30	25	12	26	21	30	11	....	....	....	....	....	....	....	....	....	....	22.3
Tecoma	Maximum	52	50	44	46	45	44	46	47	45	46	49	44	45	43	46	48	47	44	46	44	43	44	45	39	40	38	39	40	....	....	....	44.6
	Minimum	14	12	5	14	13	18	21	22	19	20	18	21	20	18	21	22	20	10	14	13	11	15	14	10	11	7	5	9	....	....	....	14.9
Winnemucca	Maximum	35	36	36	40	48	43	53	59	51	50	43	37	41	35	43	46	39	39	38	33	36	36	35	36	43	43	38	39	....	....	....	41.1
	Minimum	29	27	28	30	34	27	36	31	33	32	27	24	29	30	27	23	26	20	15	23	21	23	15	16	13	28	24	26	....	....	....	25.6
Truckee Basin.																																	
Marlette Lake	Maximum	27	26	29	39	33	32	36	39	34	34	29	25	31	31	32	41	27	21	32	26	26	24	25	35	30	26	27	32	....	....	....	30.3
	Minimum	20	19	16	10	23	26	26	31	28	27	25	10	15	17	10	10	14	19	11	16	4	16	19	0	3	22	14	15	....	....	....	16.6
Reno	Maximum	37	38	39	43	48	51	53	59	51	40	39	42	45	49	48	47	44	38	37	36	43	42	36	42	46	40	42	43	....	....	....	43.5
	Minimum	29	21	13	26	38	32	40	32	34	33	28	25	29	29	26	23	27	24	19	29	20	26	20	14	21	25	23	29	....	....	....	26.2
Tahoe, Cal	Maximum	30	32	36	34	37	37	44	43	35	36	32	33	37	40	39	40	31	30	37	32	36	32	31	35	36	29	29	32	....	....	....	34.8
	Minimum	19	20	13	17	28	24	26	29	32	26	26	10	17	21	15	12	20	13	11	13	3	14	16	2	8	14	17	20	....	...	....	17.4
Carson Basin.																																	
Fallon §§	Maximum	35	40	39	41	50	51	60	58	52	54	50	45	48	50	48	52	43	43	42	37	41	47	40	45	52	60	46	50	....	....	....	47.1
	Minimum	31	31	24	24	29	31	32	28	41	30	39	25	27	27	28	20	28	25	13	25	15	29	22	15	19	32	26	30	....	....	....	26.6
Lahontan	Maximum	35	44	37	44	47	50	61	57	49	48	46	46	51	50	52	49	41	43	40	36	44	48	42	45	52	47	46	50	....	....	....	46.4
	Minimum	31	31	23	24	27	33	35	33	39	33	35	28	30	29	30	26	32	26	19	25	22	30	25	20	26	31	25	29	....	....	....	28.5
Minden	Maximum	38	43	43	47	52	50	58	58	56	40	43	48	42	49	48	50	40	37	35	39	45	45	....	41	49	45	40	45	....	....	....	45.4
	Minimum	27	21	22	26	22	20	25	28	30	30	30	25	21	25	30	29	21	23	17	18	25	28	....	12	19	27	20	25	....	....	....	23.9
Walker Basin.																																	
Mina	Maximum	47	38	34	38	35	44	54	53	59	52	42	47	44	47	49	50	52	38	42	47	44	54	51	48	51	52	49	48	....	....	....	46.8
	Minimum	22	26	15	3	21	14	27	26	32	28	23	25	24	22	23	21	18	24	19	19	21	30	30	21	11	29	21	23	....	....	....	22.1
Thorne	Maximum	52	36	34	34	42	44	50	54	56	58	52	45	46	48	46	54	48	38	42	42	44	56	46	42	44	56	49	56	....	....	....	46.9
	Minimum	34	26	16	18	20	28	34	34	34	32	22	26	30	32	28	24	34	28	22	28	22	32	26	18	22	18	19	15	....	....	....	25.8
Yerington	Maximum	35	44	38	36	54	47	55	54	50	49	48	45	51	48	50	53	45	38	41	41	47	49	41	49	53	42	48	57	....	....	....	46.7
	Minimum	29	18	4	9	12	21	33	24	31	29	32	22	25	25	26	19	31	27	11	22	16	28	24	16	13	29	31	26	....	....	....	22.6
Colorado Basin.																																	
Indian Springs	Maximum	....	....	....	....	....	....	60	61	61	70	53	53	57	56	62	60	58	46	53	49	52	54	52	49	53	62	53	47	....	....	....	55.5
	Minimum	....	....	....	....	....	....	26	26	29	29	43	32	23	25	27	26	28	33	23	26	26	22	29	19	18	22	30	25	....	....	....	26.7
Las Vegas	Maximum	52	48	55	58	64	65	68	69	75	73	63	61	62	62	64	69	62	60	68	60	60	62	59	59	60	70	63	62	....	....	....	62.6
	Minimum	37	25	34	29	34	34	33	33	35	38	49	40	29	29	32	34	34	36	38	40	34	28	34	30	26	27	28	28	....	....	....	33.1
Logandale	Maximum	54	51	55	56	58	61	64	69	63	73	68	62	66	63	67	68	69	63	62	61	60	61	58	59	58	69	62	54	....	...	....	61.9
	Minimum	40	29	36	35	31	33	35	36	35	38	44	32	31	32	35	43	34	40	33	38	26	30	30	30	26	27	39	28	....	....	....	33.8
Minor Basins.																																	
Beatty	Maximum	46	44	42	45	51	53	58	58	65	67	62	53	56	56	59	61	62	52	54	54	54	58	57	50	51	68	63	53	....	....	....	55.4
	Minimum	28	22	21	21	23	23	25	26	28	28	38	32	21	26	23	29	21	31	29	17	17	18	26	24	16	18	25	22	....	....	....	24.2
Gerlach	Maximum	40	40	40	46	52	49	56	55	60	50	40	39	43	42	44	46	45	35	42	35	38	34	36	39	44	43	38	42	....	....	....	43.3
	Minimum	23	28	26	28	34	33	30	31	31	29	35	24	28	29	27	19	32	24	12	27	10	28	17	10	15	30	26	27	....	....	....	25.4
Goldfield	Maximum	36	34	33	35	42	48	54	50	49	50	50	45	45	45	46	47	42	44	47	45	44	47	37	45	48	44	44	45	....	....	....	44.3
	Minimum	24	15	24	14	21	23	25	23	22	31	30	23	22	23	24	23	20	22	17	22	21	23	18	15	13	21	16	21	....	....	....	21.3
McDermitt	Maximum	45	44	44	47	50	50	46	48	55	39	37	37	36	38	40	41	37	33	31	33	37	37	39	33	30	32	34	38	....	....	....	39.7
	Minimum	22	23	22	26	27	25	26	27	25	27	26	13	11	10	14	20	21	22	10	8	17	20	24	21	19	15	14	9	....	....	....	19.4
McGill	Maximum	36	32	35	31	37	41	49	52	48	47	44	34	37	35	38	43	43	33	32	34	30	36	33	30	36	39	31	30	....	....	....	37.4
	Minimum	27	17	9	17	21	22	30	30	33	31	28	19	19	15	22	15	25	22	19	17	18	16	12	4	7	21	12	10	....	....	....	19.2
Millett	Maximum	38	33	35	38	47	47	59	53	52	51	45	41	42	43	45	49	45	38	39	36	40	42	36	35	45	40	33	37	...	....	....	42.6
	Minimum	25	10	15	4	21	22	32	20	30	29	30	25	29	19	16	13	28	20	10	21	20	25	11	7	6	32	30	14	....	....	....	19.8
Oasis Ranch	Maximum	38	34	35	39	45	47	58	51	54	53	56	45	44	46	40	54	53	45	42	40	39	50	40	42	49	45	42	48	....	....	....	45.5
	Minimum	27	26	27	28	20	25	26	24	31	24	35	27	25	21	25	20	32	19	25	20	21	26	18	16	12	20	23	24	....	....	....	23.8
Rebel Creek	Maximum	39	40	36	38	50	42	50	53	51	44	44	34	34	34	42	43	41	34	34	34	34	33	34	34	39	40	36	38	....	....	....	39.5
	Minimum	30	26	29	29	32	27	38	34	34	32	28	20	24	27	28	24	29	25	17	24	17	27	22	14	11	28	22	26	....	....	....	25.9
Sand Pass	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Searchlight	Maximum	42	40	42	49	51	55	60	62	64	64	57	53	54	56	55	57	59	51	53	48	52	57	55	46	53	59	53	45	....	....	....	53.3
	Minimum	33	25	32	33	32	33	33	39	40	40	40	35	38	36	36	40	39	32	34	34	29	32	35	30	29	33	33	31	....	....	....	34.1
Sharp	Maximum	37	36	35	32	45	50	47	48	50	45	44	42	42	43	45	42	43	32	38	36	38	37	37	30	40	42	43	30	....	....	....	40.3
	Minimum	17	2	5	2	12	15	24	26	24	22	23	18	10	14	15	18	22	18	17	19	16	12	8	4	6	8	14	11	....	....	....	14.4
Sulphur	Maximum	44	42	40	42	51	49	52	58	58	48	45	41	42	45	45	45	43	39	40	35	38	40	38	40	43	42	44	44	....	....	....	44.0
	Minimum	17	12	13	17	35	34	34	31	37	32	32	22	24	26	30	20	21	12	13	16	19	21	13	10	13	15	18	20	....	....	....	21.7
Tonopah	Maximum	30	27	29	32	37	40	45	46	46	16	37	31	35	37	42	44	41	29	38	30	33	44	31	31	40	45	33	37	....	....	....	37.0
	Minimum	20	19	22	18	23	29	29	34	32	33	22	19	23	27	28	27	23	21	16	20	18	25	19	15	19	20	18	25	....	....	....	23.0

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades.
0 to 1 inch.
1 to 2 inches.
2 to 4 inches.
4 to 6 inches.
Over 6 inches.
Based on 680 records.
0.5
1
2
4
6
8
12

Snowfall in the elevated regions of Nevada Section, February, 1919.

February was a month of heavy snowfall in the mountainous regions of Nevada, and in the Sierra Nevada Mountains adjoining the western boundary of the State where the upper watersheds of western streams are located. Snow fell during nearly every day in the month at high elevations. The precipitation at Tahoe for February was 14.20 inches, and at Marlette Lake it was 11.39 inches. The snow cover at Tahoe at the end of the month averaged 63 inches and the average amount of water in the snow was 17.70 inches. This is somewhat greater than the normal amount of water in the snow cover at that station at the end of the season. Measurements at Summit, Cal., on March 5th gave 39.46 inches of water in the snow cover which averaged 122 inches in depth. This is considerably greater than the normal for that date and it is nearly the normal amount of water contained in the snow cover the first part of April, or at the end of the snowfall season when the snow begins to lose its water by melting. All mountain stations reported greater than normal depths of snow on the ground at the end of February.

The snowfall in the Truckee Basin for February was heavy. All elevated stations reported more than 100 inches for the month. The level of Lake Tahoe was 6,226.86 feet on the 28th, which is .72 of a foot lower than at the same time of last year, and .69 of a foot higher than at the beginning of the month.

Reports indicate that the snowfall was heavy at high altitudes in the Carson and Walker Basins. Markleeville, elevation 5,525 feet, reported 6.21 inches of precipitation for the month.

All mountain stations in the Humboldt Basin recorded unusually heavy snowfall. The monthly amount of precipitation at Gold Creek was 5.40 inches, and the average depth of snow on the ground at the end of the month was 54 inches. The monthly precipitation at Arthur was 4.46 inches. At Tuscarora the precipitation was 2.53 inches, and at Lamoille it was 2.10 inches.

The outlook is good for a normal flow of water in all Nevada streams during the coming season.

SNOWFALL.

(Inches.)

Stations.	Counties.	Altitude.	Total snowfall.	Amount on ground on 15th of month.	Amount on ground on last day of month.	Depth on last day of month compared with normal.
Truckee Basin.						
Marlette Lake	Washoe	7,900	118.5	78	120	+35
Tahoe, Cal	Placer	6,230	101.0	56	82	+29
Truckee, Cal	Nevada	5,818	139.0	24	36	+ 9
Summit. Cal.*	Placer	7,017	133.0	102	145	+25
Carson Basin.						
Markleeville, Cal	Alpine	5,525	39.5	10	14	+ 4
Tamarack, Cal.*	do	8,000	......	......	......	......
Walker Basin.						
Shield's Ranch, Cal	Mono	5,300	10.0	0	1	− 2
Smith	Lyon.	4,800	......	......	......	......
Humboldt Basin.						
Arthur	Elko	6,500	45.4	10	32	+19
Austin	Lander	6,594	27.0	......	9	......
Eureka	Eureka	6,837	18.5	2	8	+ 5
Gold Creek*	Elko	......	70.0	26	54	......
Hylton	do	7,081	16.0	8	11	+ 6
Lamoille	do	6,100	......	......	......	......
Mahoney Ranger Station*	do	6.200	......	......	......	......
Metropolis	do	5,661	24.0	5	13	+10
Millett	Nye	5,040	14.0	0	1	......
North Fork	Elko	6,500	20.0	12	2	+14
Tuscarora	do	......	32.0	3	12	.....
Winnemucca	Humboldt	4,344	10.4	T.	T.	0

T. indicates a trace. *Near divide of upper drainage basin.

NE

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MAY [illegible]

CLIMATOLOGICAL DATA

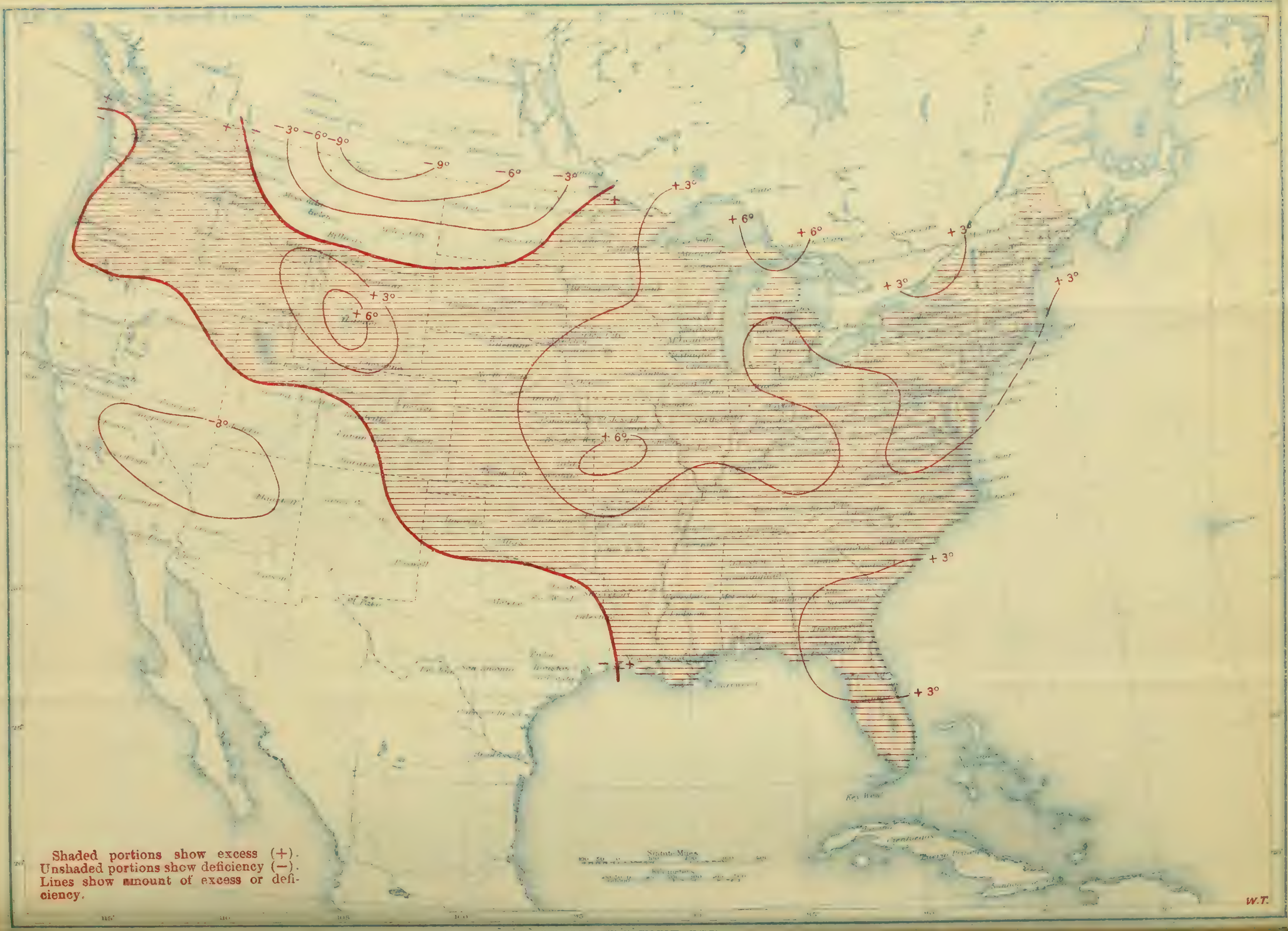
NEVADA SECTION

MARCH, 1919

BY
HENRY F. ALPS
METEOROLOGIST

RENO, NEV.
WEATHER BUREAU OFFICE
APRIL 24, 1919.

Departure of the Mean Temperature from the Normal, March, 1919.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALPS, Meteorologist.

VOL. XXXIV. RENO, NEVADA, MARCH, 1919. No. 3.

GENERAL SUMMARY.

The temperature averaged 1.1° below normal. The first half of the month was cooler than normal; the last half, and especially the last week of the month, was warmer and favorable for plant development and ranch activities. The precipitation averaged slightly below normal for the entire State. The driest section of the State extended from the northern portion of Mineral County, northward to the western portion of Humboldt County. The wettest areas were in the extreme west portion, and from Goldfield and Sharp northward to the State boundary, the precipitation being moderately heavy throughout Elko County. The snowfall in the mountains was moderate and the amount of water in the snow cover at the end of the month was practically normal in the upper drainage basins of all Nevada streams.

Much plowing was done and the greater part of the wheat and alfalfa was seeded in the lower valleys. Spring work was just starting in the higher elevations. Asparagus cutting had started in Clark County. Cattle and sheep were in good condition and the losses were about normal. The lambing increase was satisfactory. Feeding was continued longer than usual because of the deep snow in the higher elevations. There was some loss to cattle due to the hay shortage in a few localities. Grass was starting well on the ranges and a good season for stock was anticipated because of the abundant snowfall.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 39 stations, was 39.2°. The mean for the 25 stations having ten or more years' record was 1.1° below normal. The highest recorded was 88°, at Las Vegas on the 29th; the lowest was —10°, at Metropolis on the 10th. The greatest daily range was 55°, at Yerington on the 17th. The highest monthly mean was 55.0°, at Logandale; the lowest was 27.5°, at Marlette Lake.

PRECIPITATION.

The average for 45 stations reporting was 0.82 inch. For the 24 stations having ten or more years' record, the mean was 0.14 inch below the normal. The average amount at 4 stations in the Columbia Basin was 1.23 inches; at 13 stations in the Humboldt Basin, 1.08 inches; at 2 stations in the Truckee Basin, 2.38 inches; at 3 stations in the Carson Basin, 0.27 inch; at 3 stations in the Walker Basin, 0.57 inch; at 3 stations in the Colorado Basin, 0.39 inch; at 17 stations in the minor basins, 0.55 inch. The greatest monthly fall was 3.92 inches, at Marlette Lake; the least was 0.12 inch, at Jungo. The average number of days with precipitation was 5.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric pressure (sea level)			Mean relative humidity		Wind			
	Mean.	Highest.	Lowest.	8 a. m.	8 p. m.	Average hourly velocity	Maximum velocity		
							Miles per hour	Direction.	Date.
Reno	30.01	30.44	29.32	72	43	7.7	45	sw.	[illegible]
Winnemucca	30.02	30.45	29.36	81	59	[illegible]	[illegible]	w.	2
Tonopah	29.98	30.37	29.41	68	44	10.4	41	nw.	[illegible]

SUNSHINE AND CLOUDINESS.

At Reno, 70 per cent of the possible sunshine was recorded; at Winnemucca, 64 per cent; at Tonopah, 67 per cent. For the State, the average number of clear days was 13; partly cloudy, 8; cloudy, 10.

MISCELLANEOUS PHENOMENA.

(Dates of.)

Thunderstorms.—20, 21, 22, 27, 30.

Hail.—6, 8, 17, 18, 20, 22.

Sleet.—2, 7.

Brisk winds.—1, 2, 6, 7, 8, 10, 11, 12, 13, 15, 16, 18, 19, 20, 21, 27, 29.

Solar halos.—4, 11, 17, 26.

Mock suns.—15, 25, 27, 28.

Meteor.—18.

COMPARATIVE DATA FOR MARCH.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	41.1	85	12	1.45	1.7	5	14	8	9	s.
1890	39.0	82	−15	1.71	7.0	6	13	8	10	s.
1891	38.9	78	2	1.55	6.7	6	10	10	11	sw.
1892	40.8	78	− 2	1.81	12.8	8	9	11	11	w.
1893	35.9	85	−21	1.90	15.6	7	8	9	14	s.
1894	38.4	88	−13	1.62	9.1	5	9	1	18	sw.
1895	37.7	80	−23	0.82	5.2	1	14	9	8	w.
1896	39.4	90	−18	1.15	7.1	6	10	9	12	w.
1897	30.9	80	−19	1.39	13.3	7	9	9	13	w.
1898	35.0	79	10	0.63	6.8	4	14	9	8	w.
1899	38.6	79	4	1.83	5.7	7	9	8	14	sw.
1900	44.2	81	3	0.51	3.3	3	17	5	9	sw.
1901	38.9	90	0	0.59	4.8	4	15	7	9	w.
1902	35.2	69	0	1.47	10.3	6	11	8	12	sw.
1903	38.7	90	− 8	1.41	9.2	5	12	7	12	s.
1904	39.7	80	0	1.69	5.7	8	8	8	15	sw.
1905	41.8	82	3	1.43	2.4	6	12	6	13	sw.
1906	38.5	83	−15	1.68	6.8	7	10	9	12	w.
1907	38.3	83	−10	2.66	20.5	8	6	10	15	s.
1908	40.7	91	− 6	0.30	2.8	2	16	10	5	w.
1909	38.8	80	−10	0.67	5.4	4	12	11	8	w.
1910	45.9	88	10	0.17	0.6	2	16	8	7	sw.
1911	42.7	93	3	1.21	5.3	6	15	7	9	s.
1912	37.3	78	− 1	1.17	10.3	6	11	10	10	w.
1913	37.2	91	−15	0.35	4.4	3	11	9	8	w.
1914	44.4	87	4	0.19	1.8	2	20	7	4	s.
1915	42.8	89	− 5	0.45	2.8	3	16	8	7	w.
1916	45.2	92	− 2	0.74	4.7	4	18	6	7	w.
1917	33.3	89	−14	0.47	5.9	3	15	7	9	w.
1918	42.1	88	− 5	1.29	5.2	5	15	7	9	s.
1919	39.2	88	−10	0.82	6.2	5	13	8	10	sw.
Entire period	39.5	93	−23	1.11	6.8	5	13	8	10	w.

LATE REPORTS.

February, 1919.—Sand Pass, mean temperature, 36.0°; highest, 66° on the 8th; lowest, 17° on the 19th; total snowfall, 7.0 inches; total precipitation 1.75 inches; number of days with precipitation, 10; clear, 4; partly cloudy, 0; cloudy, 24.

Climatological data for March, 1919.

Stations.	Counties.	Elevation, feet.	Temperature, in degrees Fahr.								Precipitation, in inches.					Number of days.				Prevailing direction of the wind.	Observers.
			Length of record, years.	Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek (near)	Elko	6,600									6	1.32		0.34		15					U. S. Forest Service.
Mahoney Ran. Sta.**	do	6,200	4								4										Do.
Owyhee	do	5,400	8	34.1		61	29	9	9	30	8	1.68		0.48	15.4	12	10	4	17	s.	E. A. Schwab.
San Jacinto	do	5,200	14	33.4	−2.8	60	28	8	10	39	14	0.67	−0.24	0.21	5.0	5	12	5	14	s.	Utah Construction Co.
Tuscarora (near)	do										11	1.24		0.21	16.2	14	5	13	13	s.	D. B. Williams.
Humboldt Basin.																					
Arthur	Elko	6,500									9	1.20	+0.26	0.44	11.7	4	21	3	7		Isaac Woodhouse.
Austin	Lander	6,594	30	32.5^{b}	2.8	59^{b}	28	6^{a}	10	44^{b}	30	1.33	−0.17	0.60	9.0	5	10	9	12	w.	Forest Service.
Battle Mountain	do	4,513	48	40.6	−0.8	68	†29	18	†9	41	50						13	7	11	w.	Southern Pacific Co.
Beowawe	Eureka	4,695	48	38.8^{a}	−2.0	76^{a}	†29	15^{a}	9	18^{a}	50						14^{a}	13^{a}	3^{a}	w.	Do.
Clover Valley**	Elko	6,000	18								26										J. D. Weeks.
Elko	do	5,063	48	36.8	−0.1	65	29	11	10	40	49	0.55	−0.93	0.35	2.0	4	11	12	8	sw.	Western Pacific Co.
Eureka	Eureka	6,837	21	34.6	−2.4	62	30	1	9	40	23	1.70	−0.45	0.75	19.2	11	8	6	17	n.	Clay Simms.
Golconda	Humboldt	4,392	40	40.4	−0.1	68	29	16	8	37	42	0.34	−0.23	0.16	3.0	3	10	16	5	w.	Southern Pacific Co.
Hylton**	Elko	7,081									9	1.32		0.50	14.0	7	14	12	5	sw.	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	6	39.8	−0.4	69	29	15	10	43	6						9	4	18	n.	Southern Pacific Co.
Lamoille	Elko	6,100	4	32.8		57	†29	6	10	29	4	1.42	−0.61	0.72		8	12	4	15	se.	Elko-Lamoille Power Co.
Lovelock	Humboldt	3,977	25	40.1	−3.6	70	29	11	10	47	23	0.60	+0.30	0.36	5.0	5	13	0	18	s.	Harold W. B. Baker.
Metropolis §	Elko	5,661	6	30.2		60	30	−10	10	44	10	3.12	+1.97	1.50	7.0	5	17	6	8	w.	L. F. Hatch.
North Fork	do	6,500									10	0.64		0.24	10.0	4	9	10	12	s.	Roy C. Pratt.
Paradise Valley	Humboldt	4,500	6								10										F. C. Buckingham.
Potts	Nye	6,002	26	33.3	−0.3	58	†29	6	†14	34	28	0.63	−0.20	0.21	5.0	5	9	4	18	n.	Miss Irene Potts.
Tecoma	Elko	4,812	41	35.6	−1.6	69	30	2	10	42	43	0.66	+0.26	0.42	9.0	2	9	15	7	w.	Southern Pacific Co.
Winnemucca	Humboldt	4,344	42	39.2	−0.4	68	29	14	9	39	50	0.57	−0.38	0.29	3.2	6	8	9	14	sw.	U. S. Weather Bureau.
Truckee Basin.																					
Franktown	Washoe	5,054	2								2										Agent V. & T. Ry.
Marlette Lake**	do	7,900	4	27.5		48	26	0	7	41	6	3.92		0.94	36.5	17	11	7	13	sw.	V. & G. H. Water Co.
Reno	do	4,532	32	41.0	0.0	67	31	17	10	39	32	0.84	−0.38	0.38	3.3	6	12	12	7	w.	U. S. Weather Bureau.
Tahoe, Cal.		6,230	11	28.2		52^{a}	29	6	†7	34	11	5.04		1.22	34.0	17	9	5	17	s.	Mrs. Emma C. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	25	42.0	+0.7	72	29	14	10	50	25	0.35	−0.13	0.14	T.	6	12	9	10	sw.	U.S. Experiment Station.
Lahontan **	do	1,200	7	43.9		69	†17	18	10	40	9	0.28		0.15	T.	4	12	5	14	ne.	U.S. Reclamat'n Service.
Minden	Douglas	4,730	28	39.4^{a}	−2.6	69^{a}	23	10^{a}	†9	44^{a}	29	0.19	−1.22	0.08	1.5	3	14^{a}	6^{a}	10^{a}		Forest Service.
Markleeville, Cal.		5,525									10	2.32		0.65	15.5	7	10	12	9	s.	Mrs. Mary Thornburg.
Walker Basin.																					
Mina §	Mineral	4,350	12	40.8	−3.5	70	29	12	10	50	23	0.99	+0.76	0.50	1.0	4	12	0	19		Southern Pacific Co.
Smith	Lyon	4,800									11	0.48		0.18	1.5	4	17	8	6	n.	C. M. Carter.
Thorne §	Mineral	4,200	6								6										Southern Pacific Co.
Yerington §	Lyon	4,375	10	41.5	−0.9	73	17	4	9	55	10	0.23	−0.22	0.10	0.5	3	9	16	6	n.	W. H. Churchyard.
Shields Ranch, Cal. **		5,300									10	2.11		0.90	18.0	7	24	2	5		Bruce H. Chichester.
Colorado Basin.																					
Indian Springs §**	Clark	3,136	5	45.8		75	†18	19	†10	46	5	0.75		0.63	0	3				se.	Ira MacFarland.
Las Vegas	do	2,033	17	53.9^{a}	+2.5	88^{a}	29	24	11	46^{a}	17	0.28	+0.07	0.18	0	2	22	5	4	sw.	C. P. Squires.
Logandale §	do	1,355	12	55.0^{d}	0.0	86^{d}	31	28^{d}	1	42^{d}	20	0.15	−0.57	0.07	0	3	15^{d}	9^{d}	3^{d}		Bert Mills.
Minor Basins.																					
Beatty	Nye	3,309	3	45.4		77	31	18	†8	45	3	0.59		0.39	0	5	18	11	2	s.	E. E. Palmer.
Duck Flat**	Washoe	4,725									5	0.36		0.21	6	5	15	13	3	nw.	C. T. Smith.
Gerlach	do	3,931	7	40.8		69	29	16	10	44	7	0.47		0.39		2	9	16	6	sw.	Western Pacific Co.
Goldfield	Esmeralda	5,700	12	38.6	−4.4	65	†29	14	10	40	14	1.35	+0.49	0.90	17.8	6	26	0	5	n.	R. G. Jones.
Jungo	Humboldt	4,165									6	0.12		0.12	T.	1	8	5	18	ne.	Western Pacific Co.
Lemons Valley**	Washoe	5,000									5	0.63		0.25	1.5	6	19	5	7	w.	W. J. Webster.
McDermitt	Humboldt	4,700	8	33.6	−4.5	60	†25	6	7	41	32	0.59	−0.64	0.42	7.0	3	18	11	2	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	9	35.1	+1.1	61	†30	3	10	38	9	0.90	−0.42	0.45	11.0	6	8	15	8	n.	R. E. Middagh.
Millett	Nye	5,040	11	37.5	−1.5	66	29	8	10	49	12	0.33	−0.06	0.15	6.5	4	10	8	13	s.	Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	7	43.2^{c}	+2.5	68^{c}	†29	11^{c}	16	53^{c}	7										Arthur L. Stewart.
Pahrump	Nye	2,608	5								5										F. M. Buol.
Quinn Riv. Ranch **	Humboldt	4,850	17	40.4	+0.1	74	†29	15	10	46	18	0.15	−0.70	0.10		3	10	9	12	se.	F. M. Payne.
Rebel Creek	do	4,300	7	39.5		67	29	15	10	32	8	0.59		0.20	6.0	8	7	13	11	sw.	Fred Whitaker.
Sand Pass **	Washoe	4,198	6	42.4		68	29	14	10	44	6	0.15		0.10	T.	2	9	10	12	s.	R. R. Mott.
Searchlight	Clark	3,445	6	49.8		76	31	29	1	28	6	0.48		0.32	0	5	19	3	9	s.	C. L. Aug. Mahn.
Sharp	Nye	6,200	5	32.8		61	31	4	10	38	5	1.19		0.70	17.0	4	20	0	11	se.	Pauline F. Youngs.
Sulphur	Humboldt	4,044	6	39.0		70	29	14	†9	45	6	0.15		0.10	T.	2	10	12	9	sw.	Western Pacific Co.
Tonopah	Nye	6,090	14	36.6		60	30	16	9	28	14	1.05		0.53	8.0	5	14	10	7	se.	U. S. Weather Bureau.
Vya	Washoe	5,500									6	0.22		0.08	0.5	4	15^{j}	1^{j}	5^{j}	w.	L. A. Mariette.
For the State				39.2	−1.1	88	29	−10	10	55		0.82	−0.14	1.50	6.2	5	13	8	10	sw.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Mahoney Ranger Station, Jarbridge; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of Lahontan, Hazen; of Shields Ranch, Coleville, Cal.; of Duck Flat, Sunkist; of Oasis Ranch, Oasis, Cal.; of Lemmons Valley, Reno; of Quinn River Ranch, Amos; of Sand Pass, Flanigan.

Reference letters, ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing, for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for March, 1919.

Stations.	Day of month																															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Columbia Basin.																																
Gold Creek (near)	.34	.16	.05	.03	.01	.16	.12	.01	*	*	*	*	*								*	*			.44							1.32
Mahoney Ranger Station ‖‖																																
Owyhee	.48	.14	.06	.04	.09	.36	.18	.04						T	.08	.04		T				.08								.09		1.68
San Jacinto	.20	.12		T			.10									T											.04			.21		0.67
Tuscarora (near)	.20	.07	.12	.12	.07	.21	.07	.14	.03				.04		.07	.03		.02			.05											1.24
Humboldt Basin.																																
Arthur			.25	.09		.42	.44																									1.20
Austin		.35	T.	.11		.60		T				.07			.20				T		T	T				T				T		1.33
Battle Mountain																																
Beowawe																																
Clover Valley																																
Elko		.35			.05	.05	T.								.10															T		0.55
Eureka			.08		.02	.75	.02						.08		T				.10	.08	.05	.10	.04				.18					1.50
Golconda		.08			T	.16		T.							T.						.10											0.34
Hylton	.21	T			.27	.50									.06				.08		.14	T					.06					1.32
Imlay																																
Lamoille ‖	T.	T.	.19	.04	.12	T.	.22	T.	.06					.03	T.		.02		.44		T							T			T	1.12
Lovelock			.02			.15								.01								.06					.06					0.30
Metropolis ‖	1.50	.90	T.				.32	T.					T.		T.				.10		T.									.30		3.12
North Fork	.24	.20			.08											.12																0.64
Paradise Valley																																
Potts					.14	.21															.16	.08	.04									0.63
Tecoma	.24					.42																										0.66
Winnemucca***	T.	.06	T.		.01	.29		T.					T.	.03	.07			T.			.11						T	T				0.57
Truckee Basin.																																
Franktown																																
Marlette Lake ‖‖	.05	.21	.64	.03	.05	.01	.03	T.	.09	T.			.11	.91	.05	.05		.07	.15	.42	.32	.73					T.	T		T		3.92
Reno ***		.13	T.		T.	.05		.14					.07	T.	T.			T.		T.	.38						.07					0.84
Tahoe, Cal. ‖‖	.11	.60	.67		.05		.64		.06				.58	1.22	.04	.06			.38	.14	.17	.16					.01	.02		.13		5.04
Carson Basin.																																
Fallon ‖‖	T.					T.	.05		.02						T.	.02					.11	.14	T					.01				0.35
Lahontan				T.			.04	.02							T.					T.	.12						.07					0.25
Minden		T.				T.		.08					.04								.07											0.19
Markleeville, Cal		.40	.20		.20			.02					.65						.25	.60												2.32
Walker Basin.																																
Mina						.06													.08	.50	.35											0.99
Smith		.12						.10											.18	.08	T.											0.48
Thorne																																
Yerington									.05										T.	T.	.10						.08					0.23
Shields Ranch, Cal		.21				.10							.13					.10	.30	.90	.37											2.11
Colorado Basin.																																
Indian Springs ‖‖							.07													.63	.05											0.75
Las Vegas																				.10		.18										0.28
Logandale													T.							.07	.05	.08										0.15
Minor Basins.																																
Beatty			.08				.07													.39	.02		.03									0.59
Duck Flat		.07	.02	.02		.04								.21																		0.36
Gerlach						.39																.08										0.47
Goldfield	T.	T.	T.			.03	.13						.02		T.				T.	.90	.11	.14										1.35
Jungo			T.																		.12											0.12
Lemmons Valley		.25				T.		.12					T.	.01	T.					T.	.09	.08					.08					0.63
McDermitt		T			.42		.07														.10											0.59
McGill		.01			T.		.21					.01	T.						.10	T.	T.	.35	.12									0.80
Millett						.05	.08						.05								.15	T.										0.33
Oasis Ranch																																
Pahrump																																
Quinn River Ranch		.03				.10							.02																			0.15
Rebel Creek	.03	.20	T.		.03	.20		.06					.01	T.	.01							.05										0.59
Sand Pass		.05	T.			T.		T.						T.	T.					T.	T.	T.					.10					0.15
Searchlight							.01								.02					.32	.07	.06										0.48
Sharp			.14				.28						.07								.70											1.19
Sulphur		T.	T.			.05								T.								.10										0.15
Tonopah***		T.			T.	.15							T.		T.				.10	.32	.39	.09										1.05
Vya ‖‖		.05	.08		.04	.05																										0.22

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.
‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement

Daily evaporation (inches) and wind movement (miles) for March, 1919.

(See temperature and precipitation data in climatological tables, pages 20 to 22.)

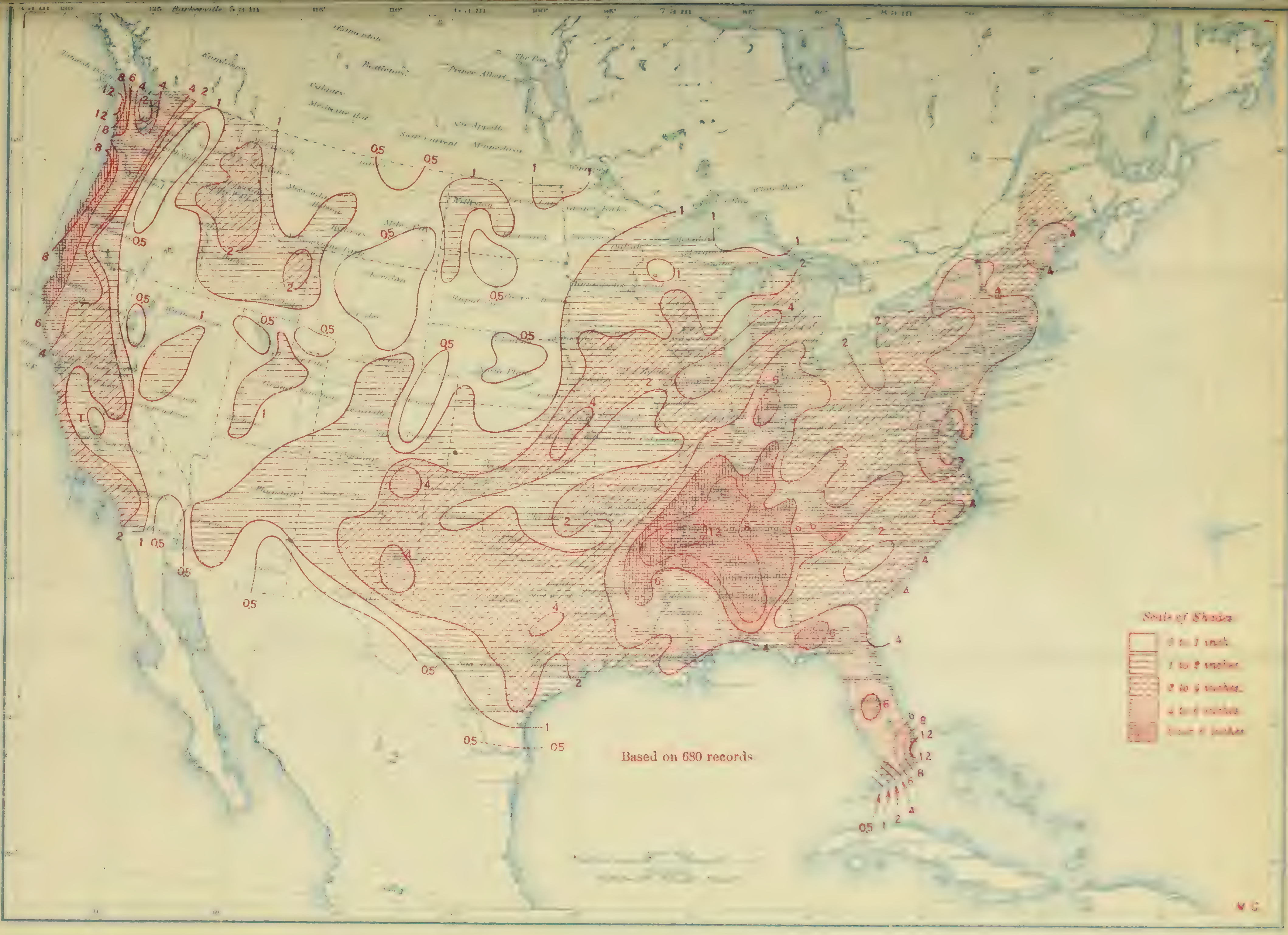
Stations.	Data.	Day of month.																														Monthly.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Indian Springs*	Evaporation	.165	.090	.225	.080	.125	.185	.175	.125	.205	.115	.195	.175	.170	.252	.118	.180	.160	.190	.220	.113	.096	.145	.118	.157	.265	.195	.235	.241	.239	.256	.262	5.472
	Wind movement	31	44	123	91	27	82	36	12	79	160	40	41	18	264	31	97	40	25	149	51	63	66	48	47	69	24	60	40	42	37	29	1,966
Lamoille*	Evaporation																																
	Wind movement	79	127	91	30	66	90	45	43	46	55	30	38	112	90	77	99	99	45	50	68	50	59	43	43	53	72	34	39	45	59	51	1,928
Marlette Lake.,*	Evaporation																																
	Wind movement																																
Tahoe, Cal. ** †	Evaporation				.075	.070	.065		.065	.055	.050													.055	.075	.065	.060	.055	.075	.115	.055	.060	
	Wind movement				36	66	76	61	88	74	108													52	53	67	62	36	54	36	63	74	

* Observations taken at 7 a. m.; ** at 8 a. m. ‡ Included in next following entry. † Readings made in standard pan exposed on float in lake.

Daily temperatures for March, 1919.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Owyhee	Maximum	34	45	37	38	32	36	31	31	36	30	48	44	43	39	35	42	48	50	42	48	46	44	48	52	50	56	55	59	61	55	56	44.2
	Minimum	20	34	23	23	16	23	15	15	9	14	23	32	32	24	18	19	23	33	15	26	27	26	22	28	26	28	36	34	35	40	26	24.7
San Jacinto	Maximum	36	47	36	34	32	37	31	32	28	34	39	40	40	35	32	41	51	51	43	49	43	44	53	48	43	57	48	60	59	54	54	42.9
	Minimum	20	33	25	23	22	23	21	17	19	8	21	30	24	27	22	18	19	31	26	25	23	25	27	24	18	18	23	36	28	39	28	24.0
Humboldt Basin.																																	
Austin	Maximum	51	47	40	37	32	34	34	39	32	50	41	44	44	42	31	43	52	54	39	44	40	38	50	52	56	52	52	59	57	....	....	41.3
	Minimum	15	22	8	18	12	16	9	9	8	6	10	16	12	14	12	15	25	30	26	37	28	24	24	27	29	37	32	37	34	....	30	20.7
Battle Mountain	Maximum	44	47	51	43	43	37	35	44	37	44	50	51	52	45	41	55	63	64	52	60	55	54	60	63	62	66	65	67	68	68	67	53.3
	Minimum	28	29	29	25	21	30	19	25	18	18	21	30	34	20	21	25	27	36	30	30	33	35	31	26	26	25	38	35	36	34	30	27.9
Clover Valley	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Elko	Maximum	40	37	46	39	38	36	33	38	32	39	48	50	52	43	40	48	55	55	57	57	56	50	56	56	59	60	60	60	65	63	61	49.3
	Minimum	25	30	18	23	26	25	21	20	12	11	13	29	32	22	20	21	22	27	30	30	28	25	23	23	22	20	28	32	33	32	29	24.3
Eureka	Maximum	41	45	40	38	35	40	39	39	41	40	46	41	38	38	43	44	48	49	44	51	43	43	47	49	51	56	56	57	60	62	60	45.9
	Minimum	13	31	22	18	20	15	5	8	1	27	30	28	19	10	16	17	24	32	27	24	31	23	28	27	24	27	35	33	37	38	30	23.2
Imlay	Maximum	50	50	43	40	40	39	37	38	39	48	55	57	52	43	43	54	64	54	46	60	54	50	56	61	59	68	60	61	69	64	65	52.4
	Minimum	24	24	22	20	21	19	17	18	17	15	20	31	34	30	22	26	21	28	34	31	33	28	34	23	32	33	33	34	40	33	43	27.1
Lamoille	Maximum	42	47	34	35	31	37	30	32	35	34	39	45	44	35	33	38	38	50	39	53	42	39	48	49	50	54	52	52	57	57	54	42.7
	Minimum	22	32	23	18	20	20	18	10	8	6	10	18	29	24	16	19	25	28	27	27	30	22	24	25	26	28	29	30	30	34	31	22.9
Lovelock	Maximum	52	52	44	49	47	41	41	44	41	52	59	59	58	46	44	56	65	65	54	62	60	51	59	64	63	69	64	64	70	68	68	55.8
	Minimum	25	37	21	18	21	25	18	16	14	11	14	25	32	20	16	16	18	25	26	36	27	19	31	25	26	25	37	30	28	36	27	24.4
Metropolis	Maximum	33	44	34	32	30	32	31	35	29	29	42	43	41	34	33	37	45	48	44	47	46	44	45	46	44	49	55	54	59	60	55	41.9
	Minimum	16	32	15	8	20	22	13	0	−7	−10	−2	20	29	17	15	19	11	25	20	29	26	24	23	21	19	19	31	27	31	29	31	18.5
Paradise Valley	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Potts	Maximum	46	42	39	36	40	35	38	38	28	37	45	46	42	32	40	49	51	47	44	45	42	39	41	47	48	55	54	54	58	58	55	44.2
	Minimum	15	20	20	14	20	15	20	12	8	8	22	30	26	6	6	16	30	28	28	28	29	25	25	24	23	24	34	31	28	34	24	21.7
Tecoma	Maximum	48	49	50	48	45	46	47	44	43	40	40	40	50	53	51	50	54	49	54	59	58	57	60	59	60	62	64	66	67	69	65	53.1
	Minimum	11	14	14	13	14	12	11	10	8	2	5	18	19	22	21	23	20	13	20	22	25	23	27	22	21	20	28	26	28	29	24	18.2
Winnemucca	Maximum	44	50	42	43	38	36	32	38	38	46	48	54	45	36	37	49	61	57	46	58	54	50	58	63	61	66	61	60	68	64	65	50.6
	Minimum	28	33	28	26	27	24	15	18	14	17	26	28	31	26	25	26	27	32	30	33	32	34	31	26	24	27	38	32	36	38	27	27.7
Truckee Basin.																																	
Marlette Lake	Maximum	35	33	31	36	35	35	33	32	28	45	43	42	32	28	26	37	44	32	27	35	33	35	41	44	46	48	40	46	46	40	45	38.2
	Minimum	16	29	12	6	16	20	0	2	9	4	20	16	21	12	6	16	17	22	19	20	24	13	15	19	21	23	29	25	25	29	21	16.8
Reno	Maximum	53	47	43	51	46	46	42	45	39	54	57	53	45	42	42	55	65	51	45	55	49	50	58	64	65	66	54	61	64	60	67	52.7
	Minimum	25	31	30	24	32	28	21	23	20	17	27	32	27	27	23	31	26	32	30	37	32	32	34	30	32	32	39	31	33	38	30	29.2
Tahoe, Cal.	Maximum	36	33	30	36	35	31	30	33	32	40	40	41	32	29	31	34	39	33	37	39	39	41	41	42	45	41	45	48	52	49	....	37.8
	Minimum	11	23	18	10	18	16	6	10	6	6	13	21	24	24	13	12	17	18	27	32	20	17	20	19	20	22	30	30	24	31	23	18.7
Carson Basin.																																	
Fallon §§	Maximum	56	56	48	53	47	46	43	53	42	58	60	62	49	47	46	59	70	63	50	60	43	49	58	65	64	69	62	65	72	67	68	56.5
	Minimum	25	37	29	18	34	26	19	19	16	14	20	32	35	28	19	18	20	29	33	37	32	30	28	28	26	27	41	32	31	43	31	27.6
Lahontan	Maximum	57	53	46	55	48	48	42	52	43	55	62	59	49	47	48	60	69	60	50	59	46	51	58	65	65	68	61	63	69	66	67	56.2
	Minimum	28	35	28	25	33	31	21	24	20	18	28	31	36	30	27	26	29	36	34	31	35	31	34	36	35	35	42	38	38	45	41	31.6
Minden	Maximum	58	52	46	52	48	51	41	52	44	51	....	59	50	43	45	57	66	50	51	42	40	50	69	62	64	68	60	51	53	67	65	53.6
	Minimum	23	28	24	22	30	28	17	22	10	10	....	25	23	22	20	20	22	37	28	30	35	31	28	25	28	28	28	27	28	28	27	25.1
Walker Basin.																																	
Mina	Maximum	57	54	53	55	52	49	49	54	47	54	54	63	57	46	48	66	64	65	56	54	45	44	49	60	62	64	66	64	70	69	64	56.6
	Minimum	20	23	28	22	31	22	21	17	17	12	26	21	33	23	17	16	20	33	30	29	29	25	32	27	25	24	29	31	31	28	33	25.0
Thorne	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Yerington	Maximum	58	54	50	55	59	54	41	58	44	58	66	60	50	50	52	61	73	59	52	55	46	50	59	68	70	71	60	66	72	70	70	58.4
	Minimum	21	34	26	19	29	22	13	11	4	11	18	26	30	24	18	16	18	34	30	32	32	26	27	26	29	26	40	28	26	39	29	24.6
Colorado Basin.																																	
Indian Springs	Maximum	61	60	62	56	59	59	54	57	51	55	62	65	61	51	56	60	65	75	58	53	55	55	62	69	69	72	73	74	75	74	74	62.3
	Minimum	20	30	26	24	24	24	29	20	31	19	19	21	39	30	21	27	25	29	37	32	29	30	34	35	36	36	33	34	36	37	39	29.2
Las Vegas	Maximum	62	68	65	66	70	67	64	65	63	65	68	76	....	59	66	74	77	82	65	65	65	68	64	76	78	80	82	81	88	86	83	71.3
	Minimum	28	35	35	36	31	30	43	27	36	36	24	34	34	38	35	31	32	36	39	40	34	42	35	40	38	40	40	42	42	50	49	36.5
Logandale	Maximum	59	61	66	65	69	66	64	64	62	65	71	75	80	62	64	65	78	81	75	62	65	68	....	....	....	....	80	79	83	84	86	70.3
	Minimum	28	36	37	36	33	29	46	30	39	35	31	37	39	41	31	35	38	39	52	41	40	44	....	....	....	....	68	48	45	46	48	39.7
Minor Basins.																																	
Beatty	Maximum	57	60	62	51	58	62	63	58	55	50	63	65	66	48	55	58	68	69	70	52	47	47	61	69	72	72	70	73	76	73	77	62.2
	Minimum	20	24	31	24	25	20	30	18	29	24	18	24	37	20	19	21	34	27	31	34	29	30	34	34	34	33	36	36	35	36	38	28.5
Gerlach	Maximum	50	50	40	47	48	46	40	43	40	50	57	58	53	46	45	44	61	60	48	60	60	62	63	65	63	67	65	62	69	65	65	54.6
	Minimum	28	34	25	25	27	28	21	28	20	16	22	24	35	29	24	23	21	35	22	24	28	29	32	24	23	28	40	33	29	38	25	26.9
Goldfield	Maximum	56	52	47	46	45	50	35	39	37	52	52	55	45	38	47	55	62	62	47	44	47	47	58	56	58	62	62	60	65	64	65	51.9
	Minimum	20	32	26	19	25	22	19	17	15	14	21	32	28	20	18	16	22	25	24	31	29	27	29	29	30	30	34	32	35	31	33	25.3
McDermitt	Maximum	30	33	34	34	35	32	39	35	40	50	51	45	41	44	41	39	42	44	46	50	50	51	50	59	60	58	58	59	60	57	60	46.0
	Minimum	15	16	19	18	16	10	6	17	7	10	10	27	31	26	27	22	21	24	24	23	25	23	21	27	29	29	28	26	25	26	25	21.1
McGill	Maximum	38	43	40	33	32	35	33	37	33	31	44	46	47	38	37	40	51	51	50	55	47	48	50	52	54	57	56	57	59	61	61	46.0
	Minimum	16	30	21	13	21	17	21	11	13	3	17	27	28	21	8	21	20	30	30	27	30	28	32	29	29	29	36	35	33	37	36	24.2
Millett	Maximum	49	55	45	43	41	44	33	47	39	44	48	54	53	40	39	53	64	61	57	52	47	46	49	57	58	64	62	62	66	65	62	51.6
	Minimum	16	33	29	15	27	27	18	9	15	8	15	35	25	22	11	17	15	30	30	34	29	21	24	20	23	20	40	32	24	38	23	23.4
Oasis Ranch	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	64	62	62	54	37	42	45	50	57	60	64	62	64	68	68	66	57.8
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	11	17	33	30	31	30	26	24	28	26	25	35	31	36	39	34	28.5
Rebel Creek	Maximum	41	44	39	41	39	34	32	36	38	40	47	51	48	41	40	46	56	53	47	59	54	56	56	60	58	62	63	60	67	64	64	49.5
	Minimum	23	32	28	28	25	28	17	27	18	15	24	27	32	30	28	27	30	40	29	30	32	35	31	30	29	32	39	35	38	44	32	29.5
Sand Pass	Maximum	54	52	44	52	49	44	42	44	42	49	59	56	50	45	47	55	66	58	50	62	58	55	61	66	64	67	62	62	68	61	66	55.2
	Minimum	29	35	27	25	29	33	20	24	20	14	22	28	36	29	24	27	22	38	26	34	33	37	32	26	29	30	42	33	36	48	34	29.7
Searchlight	Maximum	56	59	56	54	59	59	54	59	52	54	63	64	60	47	55	60	67	71	63	48	50	57	55	63	68	68	65	70	74	73	76	60.6
	Minimum	29	40	41	33	35	38	35	32	38	31	42	40	38	33	33	33	39	44	45	35	32	37	40	38	40	43	48	48	48	50	52	39.0
Sharp	Maximum	40	43	45	40	38	40	30	43	41	39	44	45	43	44	38	45	52	52	45	46	42	47	45	49	50	57	54	57	58	60	61	46.2
	Minimum	8	9	22	17	19	10	6	5	12	4	12	20	20	18	10	12	22	25	22	29	24	22	27	29	24	26	28	27	31	31	34	19.5
Sulphur	Maximum	45	51	41	46	45	38	39	39	40	48	55	58	56	51	44	53	63	63	59	62	59	52	61	65	64	68	66	62	70	67	65	54.7
	Minimum	20	27	26	21	24	27	18	20	14	14	17	19	23	28	23	25	21	26	20	23	24	27	29	23	22	23	25	26	27	29	27	23.2
Tonopah	Maximum	48	48	35	46	35	43	28	46	31	44	46	49	41	35	35	48	57	56	41	37	36	36	43	50	53	57	55	56	60	60	59	45.4
	Minimum	24	29	22	19	25	21	17	18	16	19	29	34	26	19	21	22	33	33	26	29	29	26	27	30	35	37	38	34	42	43	37	27.7

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.



Based on 680 records.

Snowfall in the elevated regions of Nevada Section, March, 1919.

The snowfall was heavy during February in the mountains of Nevada and adjoining mountains in California where the upper watersheds of western streams are located. The amount of water contained in the snow cover on the first of March of this year was slightly greater than normal, and more than that contained in the snow cover on the same date of the two preceding years. The depth of snow at Tahoe averaged 63 inches with a water content of 17.70 inches. All mountain stations reported greater than normal depths of snow on the ground.

The snowfall in the mountains during March was slightly below normal. Measurements of the snow cover over the eastern slope of the Sierra Nevada Mountains in the Truckee and Carson basins the latter part of March and the first part of April indicated that the snow contained about the normal amount of water for that season of the year. The water equivalent of the snow cover in the Lake Tahoe drainage basin ranged from about 90 per cent of the normal on the east side to 112 per cent on the west side. The amount of water in the snow at Summit was practically normal, and at Blue Lakes it was 90 per cent of the normal. A short snow survey is in progress in the Walker River basin, but no records have been received. The work done indicated that there is a slight deficiency in southern districts.

The snowfall in the Humboldt River basin during March and the depths on the ground at the end of the month were normal or slightly greater. Short courses of snow measurements are being made in cooperation with the Forest Service at the head of Mary's River, the South Fork of the Humboldt in the Ruby Mountains, and the Little Humboldt River in the Santa Rosa Mountains. More detailed information regarding snow conditions in that important basin can be given when records of these measurements are available.

There was considerable melting at lower elevations during the latter part of March, but there has been no loss of water from the snow stored in the higher elevations. With normal weather during May and June, the flow of water in all Nevada streams should be ample during the coming season.

SNOWFALL.
(Inches.)

Stations.	Counties.	Altitude.	Total snowfall.	Amount on ground on 15th of month.	Amount on ground on last day of month.	Depth on last day of month compared with normal.
Truckee Basin.						
Marlette Lake	Washoe	7,900	36.5	103	86	+15
Tahoe, Cal	Placer	6,230	34.0	78	49	+11
Truckee, Cal	Nevada	5,818	.....	.....	.....	.....
Summit, Cal.*	Placer	7,017	36.0	147	109	- 5
Carson Basin.						
Markleeville, Cal	Alpine	5,525	15.5	6	0	− 2
Tamarack, Cal.*	do	8,000	59.0	140	102	−65
Walker Basin.						
Shield's Ranch, Cal	Mono	5,300	18.0	0	0	0
Smith	Lyon	4,800	1.5	0	0	0
Humboldt Basin.						
Arthur	Elko	6,500	11.7	26	5	+ 3
Austin	Lander	6,594	9.0	.....	.....	.....
Eureka	Eureka	6,837	19.2	6	0	0
Gold Creek *	Elko	.....	.....	.....	.....	.....
Hylton	do	7,081	14.0	15	0	− 5
Lamoille	do	6,100	.....	.....	.....	.....
Mahoney Ranger Station*	do	6,200	.....	.....	.....	.....
Metropolis	do	5,661	7.0	17	0	0
Millett	Nye	5,040	6.5	0	0	− 1
North Fork	Elko	6,500	10.0	26	10	+ 9
Tuscarora	do	.....	16.2	8	0	.....
Winnemucca	Humboldt	4,344	3.2	T.	0	0

T. indicates a trace. *Near divide of upper drainage basin.

NME

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

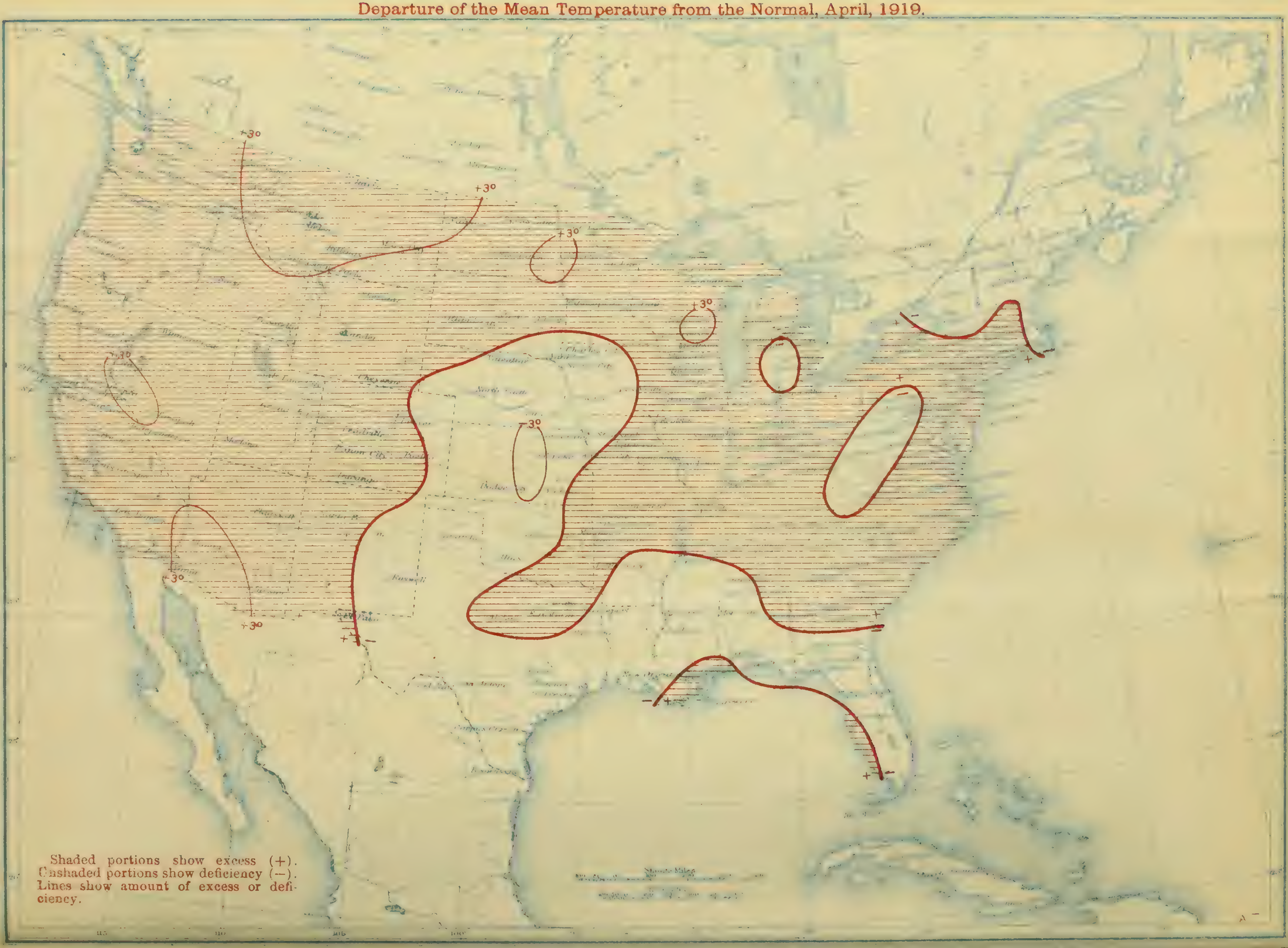
NEVADA SECTION

APRIL, 1919

BY
HENRY F. ALPS
METEOROLOGIST

RENO, NEV.
WEATHER BUREAU OFFICE
MAY 21, 1919.

Departure of the Mean Temperature from the Normal, April, 1919.


+3°
+3°
+3°
+3°
+3°
+3°
+3°
−3°
+
−
Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALPS, Meteorologist.

Vol. XXXIV. Reno, Nevada, April, 1919. No. 4.

GENERAL SUMMARY.

April was warm and dry. The temperature averaged 2.2° above normal for the State, and the precipitation averaged 0.36 inch below normal. The warm weather during the last week of March continued through the first ten days of April. There was a change to cooler on the 5th, and moderately cool weather continued for about ten days. The last decade was warm. Periods of precipitation were frequent but the amount of moisture was generally light. Most of the precipitation for the month fell from the 24th to the 27th. In the mountains of Elko County the precipitation was moderate, Gold Creek recording 1.91 inches, Owyee 1.66 inches, and about one inch fell in the Independence Mountains. More than one inch of moisture fell in the mountains of the extreme west portion and moderate amounts were recorded at places in Douglas, Lyon, Mineral, Churchill, Humboldt, Lander, and Clark Counties. There were large areas where the monthly amount of precipitation was too light to benefit agricultural crops and range grasses. Streams maintained high stages due to the rapid melting of the snow in the mountains. The sunshine and wind movement were about normal.

The month was favorable for ranch activities. The heavy precipitation of February and moderate amount in March put the soil in fine condition for spring seeding. Vegetation made rapid advancement during the last half of the month. Early fruit was in bloom, and the later varieties were coming into blossom. Feed was plentiful on the ranges and cattle and sheep were reported in good condition. The loss of lambs was exceedingly small. Good progress was made in shearing, and the wool clip was excellent both in quality and weight.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 40 stations, was 50.6°. The mean for the 26 stations having ten or more years' record was 2.2° above normal. The highest recorded was 99°, at Las Vegas on the 30th; the lowest was 10°, at Marlette Lake on the 14th. The greatest daily range was 53°, at Oasis Ranch on the 16th, and Sulphur on the 21st. The highest monthly mean was 68.0°, at Las Vegas; the lowest was 36.8°, at Marlette Lake.

PRECIPITATION.

The average for 51 stations reporting was 0.44 inch. For the 30 stations having ten or more years' record, the mean was 0.36 inch below the normal. The average amount at 4 stations in the Columbia Basin was 1.12 inches; at 17 stations in the Humboldt Basin, 0.48 inch; at 2 stations in the Truckee Basin, 0.77 inch; at 3 stations in the Carson Basin, 0.69 inch; at 4 stations in the Walker Basin, 0.60 inch; at 3 stations in the Colorado Basin, 0.25 inch; at 18 stations in the minor basins, 0.17 inch. The greatest monthly fall was 1.91 inches, at Gold Creek; there was none at Oasis Ranch and Sharp. The average number of days with precipitation was 3.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations	Barometric pressure (sea level)			Mean relative humidity		Wind.			
	Mean.	Highest.	Lowest.	8 a. m.	5 p. m.	Average hourly velocity	Max. velocity. Miles per hour	Direction.	Date.
Reno	29.97	30.34	29.71	69	30	8.1	48	w.	5
Winnemucca	29.98	30.46	29.60	73	32	7.2	42	sw.	5
Tonopah	29.88	30.24	29.61	47	28	9.5	53	w.	[illegible]

SUNSHINE AND CLOUDINESS.

At Reno, 76 per cent of the possible sunshine was recorded; at Winnemucca, 74 per cent; at Tonopah, 77 per cent. For the State, the average number of clear days was 14; partly cloudy, 9; cloudy, 7.

MISCELLANEOUS PHENOMENA.

(Dates of.)

Thunderstorms.—18, 24, 25, 26, 27, 28.

Hail.—5, 6, 26, 27.

Sleet.—13, 25.

Fog.—26.

Lunar halos.—9, 12, 13, 18, 19, 23.

Solar halos.—2, 9, 11, 16, 22, 23.

Brisk winds.—3, 4, 5, 6, 7, 8, 12, 13, 17, 18, 19, 20, 23, 24, 25.

Mock sun.—10.

COMPARATIVE DATA FOR APRIL.

Year.	Temperature. Mean.	Highest.	Lowest.	Average precipitation.	Average snowfall.	Number of days. With precipitation.	Clear.	Partly cloudy.	Cloudy.	Prevailing wind.
1889	53.5	100	16	0.45	......	2	16	9	5	sw.
1890	49.0	96	8	0.72	1.4	3	16	9	5	s.
1891	48.3	88	5	1.51	5.8	5	11	11	8	s.
1892	44.9	84	6	0.62	2.1	4	8	13	9	w.
1893	41.8	78	0	1.14	7.0	6	10	8	12	sw.
1894	47.6	90	10	0.59	3.2	4	11	10	9	sw.
1895	48.2	95	1	0.42	1.4	2	15	8	7	w.
1896	41.7	89	−9	1.00	5.6	5	7	10	13	sw.
1897	47.3	91	9	0.37	1.5	3	17	6	7	w.
1898	51.1	103	12	0.71	0.8	2	17	7	6	w.
1899	47.9	87	12	0.37	2.7	2	15	8	7	w.
1900	43.8	82	10	1.98	12.1	7	6	7	17	w.
1901	45.3	98	−2	0.59	1.9	3	15	6	9	sw.
1902	45.8	84	14	0.75	2.4	3	11	9	10	sw.
1903	45.2	101	1	0.47	2.3	2	17	6	7	sw.
1904	45.4	97	10	0.66	3.7	3	15	7	8	sw.
1905	47.0	85	10	0.84	2.9	4	14	7	9	sw.
1906	47.6	90	9	1.30	4.0	5	13	7	10	w.
1907	50.1	94	12	0.58	0.2	3	14	9	7	w.
1908	50.1	91	4	0.33	0.3	2	18	7	5	w.
1909	47.8	93	10	0.18	4.0	1	18	7	5	w.
1910	51.8	95	8	0.24	0.1	2	18	8	4	sw.
1911	45.1	92	5	0.55	1.1	3	16	8	6	w.
1912	43.4	84	7	1.27	4.3	6	10	10	10	w.
1913	47.2	93	5	0.64	1.1	3	14	8	8	w.
1914	49.2	102	5	1.23	4.4	6	9	10	11	w.
1915	50.4	92	15	1.64	4.7	7	11	9	10	w.
1916	50.4	99	12	0.31	1.1	2	18	8	4	w.
1917	43.9	95	−6	0.74	4.5	4	13	8	9	sw.
1918	46.4	92	−8	0.38	1.0	2	18	7	5	w.
1919	50.7	99	10	0.44	0.4	3	14	9	7	w.
Entire period	47.3	103	−9	0.74	2.9	4	14	8	8	w.

LATE REPORTS.

March, 1919.—Clover Valley, mean temperature, 34.2°; highest, 62° on the 28th; lowest, −3 on the 11th; total snowfall —; total precipitation, 1.72 inches; number of days with precipitation, 6; clear, 12; partly cloudy, 3; cloudy, 16.

Climatological data for April, 1919.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days.				Prevailing direction of the wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	...	...	...	...	...	...	...	...	6	1.91	...	...	...	14	12	5	13	sw.	U. S. Forest Service.
Mahoney Ran. Sta.**	do	6,200	4	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	Do.
Owyhee	do	5,400	8	46.2	...	78[a]	23	21[a]	14	36[a]	8	1.66	...	0.31	2.0	10	16[a]	3[a]	10[a]	n.	E. A. Schwab.
San Jacinto	do	5,200	14	43.4	−0.9	76	23	15	15	51	14	0.45	−0.14	0.18	0	4	15	1	14	n.	Utah Construction Co.
Tuscarora (near)	do	...	...	...	...	...	...	...	...	...	11	0.45	...	0.12	2.0	6	6	12	12	nw.	D. B. Williams.
Humboldt Basin.																					
Arthur	Elko	6,500	...	...	...	...	...	...	...	...	9	0.77	−0.97	0.39	1.4	2	23	3	4	nw.	Isaac Woodhouse.
Austin	Lander	6,594	30	47.6[b]	+3.0	79[c]	21	18[a]	7	40[c]	30	0.59	−0.88	0.50	0	2	20[a]	1[a]	8[a]	w.	Forest Service.
Battle Mountain	do	4,513	48	51.8	+2.2	82	22	18	7	52	50	0.05	−0.76	0.02	0	3	7	14	9	w.	Southern Pacific Co.
Beowawe	Eureka	4,695	48	50.8[d]	+1.9	85[f]	19	21[d]	14	51[d]	50	0.37	−0.16	0.25	0.2	3	8[e]	15[e]	2[e]	w.	Do.
Clover Valley**	Elko	6,000	18	47.0[a]	+2.3	75	†22	18[a]	14	42[a]	26	0.94	−0.08	0.60	0	3	17	8	5	......	J. D. Weeks.
Elko	do	5,063	48	48.4	+3.7	80	22	20	†7	48	49	0.10	−0.65	0.10	...	1	13	13	4	sw.	Western Pacific Co.
Eureka	Eureka	6,837	21	48.1	+2.9	76	†17	18	14	40	23	0.31	−0.86	0.07	T.	8	11	9	10	n.	Clay Simms.
Golconda	Humboldt	4,392	40	49.4	+1.4	80	23	18	13	42	42	0.36	−0.24	0.32	0	2	8	17	5	w.	Southern Pacific Co.
Hylton **	Elko	7,081	...	...	...	...	...	...	...	...	9	0.61	...	0.32	0	3	19	11	0	nw.	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	6	49.8	+0.7	82	23	17	13	45	6	0.40	+0.03	0.34	0	2	6	22	2	w.	Southern Pacific Co.
Lamoille	Elko	6,100	4	44.4	...	72	†17	17	14	37	4	0.97	−1.16	0.42	...	5	21	2	7	se.	Elko-Lamoille Power Co.
Lovelock	Humboldt	3,977	25	54.4	+3.2	83	29	17	14	52	23	0.16	+0.04	0.15	0	2	13	1	16	s.	Harold W. B. Baker.
Metropolis §	Elko	5,661	6	46.0	...	76	24	20	†7	44	10	0.56	−0.03	0.40	1.0	2	14	10	6	w.	L. F. Hatch.
North Fork	do	6,500	...	...	...	...	...	...	...	...	10	1.34	...	0.72	2.0	3	12	8	10	n.	Roy C. Pratt.
Paradise Valley	Humboldt	4,500	6	...	...	...	...	...	...	...	10	...	...	...	...	...	...	...	...	...	F. C. Buckingham.
Potts	Nye	6,002	26	43.5	0.0	75	22	11	12	48	28	0.10	−0.61	0.10	0	1	9	2	19	s.	Miss Irene Potts.
Tecoma	Elko	4,812	41	47.6	+0.8	80	29	17	8	48	43	0.06	−0.53	0.06	0	1	11	16	3	w.	Southern Pacific Co.
Winnemucca	Humboldt	4,344	42	48.8	+1.7	82	23	18	14	45	50	0.49	−0.39	0.23	T.	5	10	9	11	ne.	U. S. Weather Bureau.
Truckee Basin.																					
Marlette Lake**	Washoe	7,900	4	36.8	...	65	29	10	14	38	2	1.29	...	0.59	11.5	8	17	9	4	sw.	V. & G. H. Water Co.
Reno	do	4,532	32	49.4	+2.1	80	29	26	9	39	6	0.25	−0.36	0.10	0.7	6	10	9	11	w.	U. S. Weather Bureau.
Tahoe, Cal	...	6,230	11	38.6	...	67	30	15	14	36	32 11	1.23	...	0.37	5.0	7	11	9	10	w.	Arthur L. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	25	51.6	+1.6	84	23	19	14	48	25	0.40	+0.05	0.28	0	3	10	13	7	sw.	U.S. Experiment Station.
Lahontan **	do	4,200	7	54.0	...	82	30	26	14	36	9	0.86	...	0.83	0	2	12	10	8	ne.	U.S. Reclamat'n Service.
Minden	Douglas	4,730	28	49.2[a]	+0.6	81	29	18[a]	14	46[a]	29	0.80	+0.19	0.50	0	2	11	4	15	w.	Forest Service.
Markleeville, Cal	...	5,525	...	...	...	...	...	...	...	...	10	0.45	...	0.43	T.	3	14	11	5	s.	Mrs. Mary Thornburg.
Walker Basin.																					
Mina §	Mineral	4,350	12	53.1[a]	+1.7	89[a]	30	22[a]	9	52[a]	23	0.66	−0.34	0.60	0	2	17	0	13	sw.	Southern Pacific Co.
Smith	Lyon	4,800	...	...	...	...	...	...	...	...	11	0.64	...	0.53	0	3	11	16	3	sw.	C. M. Carter.
Thorne §	Mineral	4,200	6	...	...	...	...	...	...	...	6	0.30	+0.01	0.30	0	1	18	8	4	nw.	Southern Pacific Co.
Yerington §	Lyon	4,375	10	51.5	+2.1	87	30	18	14	50	10	0.82	+0.60	0.49	0	3	8[c]	4[c]	3[c]	n.	W. H. Churchyard.
Shields Ranch, Cal. **	...	5,300	...	...	...	...	...	...	...	...	10	0.40	...	0.40	0	1	28	1	1	s.	Bruce H. Chichester.
Colorado Basin.																					
Indian Springs §**	Clark	3,136	5	59.0[a]	...	88[a]	†17	34	†9	48[a]	5	0.10	...	0.07	0	3	...	...	...	se.	Ira MacFarland.
Las Vegas	do	2,033	17	68.0	+8.2	99	30	40	16	49	17	0.60	+0.28	0.50	0	2	19	7	4	s.	C. P. Squires.
Logandale §	do	1,355	12	66.0	+2.1	96	30	40	10	49	20	0.04	+0.12	0.04	0	1	21	7	2	......	Bert Mills.
Minor Basins.																					
Beatty	Nye	3,309	3	58.5	...	91	30	32	8	50	3	0.31	...	0.19	0	2	23	6	1	s.	E. E. Palmer.
Duck Flat **	Washoe	4,725	...	...	...	...	...	...	...	...	5	T.	...	T.	0	0	16	11	3	w.	C. T. Smith.
Gerlach	do	3,931	7	51.2	...	84	30	20	14	44	7	0.13	...	0.13	0	1	10	14	6	sw.	Western Pacific Co.
Goldfield	Esmeralda	5,700	12	50.7[a]	+0.6	87[a]	4	24[a]	†7	46[a]	14	0.06	−0.66	0.06	0	1	20[a]	8[a]	1[a]	s.	R. G. Jones.
Jungo	Humboldt	4,165	...	...	...	...	...	...	...	...	6	T.	...	T.	T.	0	3	18	9	w.	Western Pacific Co.
Lemons Valley**	Washoe	5,000	...	...	...	...	...	...	...	...	5	0.32	...	0.25	T.	3	22	5	3	w.	W. J. Webster.
McDermitt	Humboldt	4,700	8	46.6	+1.2	80	†26	20	15	45	32	0.44	−1.08	0.19	T.	3	...	...	...	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	9	49.8	+6.8	77	30	21	†7	38	9	0.29	−0.85	0.23	T.	3	10	13	7	n.	R. E. Middagh.
Millett	Nye	5,040	11	46.8	+0.7	79	30	16	†7	50	12	0.12	−0.46	0.12	0	1	12	9	9	w.	Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	7	51.9[a]	+2.9	82[a]	23	24[a]	8	53[a]	7	0.00	−0.47	0.00	0	0	26	1	3	s.	Arthur L. Stewart.
Pahrump	Nye	2,608	5	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...	...	...	F. M. Buol.
Quinn Riv. Ranch **	Humboldt	4,850	17	49.0[d]	+2.9	81[d]	23	15[f]	14	49[d]	18	T.	−0.36	T.	0	0	6[d]	8[d]	12[d]	s.	F. M. Payne.
Rebel Creek	do	4,300	7	50.2	...	80	23	21	14	40	8	0.33	...	0.17	0	5	10	13	7	sw.	Fred Whitaker.
Sand Pass **	Washoe	4,198	6	52.1	...	81	30	24	14	39	6	0.18	...	0.10	T.	4	15	8	7	nw.	R. R. Mott.
Searchlight	Clark	3,445	6	63.5	...	88	30	40	27	31	6	0.17	...	0.13	0	2	17	5	8	s.	C. L. Aug. Mahn.
Sharp	Nye	6,200	5	48.0	...	74	23	22	†7	38	5	0.00	...	0.00	0	0	28	0	2	se.	Pauline F. Youngs.
Sulphur	Humboldt	4,044	6	48.6	...	82	23	11	14	53	6	0.61	...	0.30	T.	3	12	11	7	ne.	Western Pacific Co.
Tonopah	Nye	6,090	14	49.7	...	74	30	25	14	30	14	0.03	...	0.02	T.	2	18	12	0	nw.	U. S. Weather Bureau.
Vya	Washoe	5,500	...	...	...	...	...	...	...	...	6	0.08	...	0.08	0	1	27	1	2	sw.	L. A. Mariette.
For the State				50.7	+2.2	99	30	10	14	53	....	0.44	−0.36	0.83	0.4	3	14	9	7	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Mahoney Ranger Station, Jarbridge; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of Lahontan, Hazen; of Shields Ranch, Coleville, Cal.; of Duck Flat, Sunkist; of Oasis Ranch, Oasis, Cal.; of Lemmons Valley, Reno; of Quinn River Ranch, Amos; of Sand Pass, Flanigan.

Reference letters, [a], [b], [c], appearing in the table indicate number of days missing, for example, [b] represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for April, 1919.

Stations.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Columbia Basin.																																
Gold Creek (near)	*	*	*	*	*	.02	.08	.12	.03	.05	.12	.02	.05	.01				*	*	*	*	*	*	*	*	.75	.66					1.91
Mahoney Ranger Station ‖																																
Owyhee				.31	.09	.14	.10			.25		.11	.21					.31							.09	.05						1.66
San Jacinto				.10	.18					T.			.11											T.		T.	.06					0.45
Tuscarora (near)				.08							.09							.06		.05					.12	.03						0.43
Humboldt Basin.																																
Arthur					T.								.39			.38																0.77
Austin																								T.	.50	.09						0.59
Battle Mountain														.01										.02	.02							0.05
Beowawe													.02												.25		.10					0.37
Clover Valley					.17								.60					.17														0.94
Elko					T.								T.					T.		.10												0.10
Eureka						.04	.03	.05		.04		.07	.02													.04	.02					0.31
Golconda				T.									T.												.32	.04						0.36
Hylton										T.			.32					.21								.08						0.61
Imlay					T.							T.													.34	.06						0.40
Lamoille ‖						.03	T.	T.			T.		.11	T.					.42	.21						T.	.20	T.				0.97
Lovelock												T.												.15		.01						0.16
Metropolis ‖					T.					T.	.16	T.	.40					T.														0.56
North Fork						.12							.72											.50								1.34
Paradise Valley																																
Potts																									.10							0.10
Tecoma												.06																				0.06
Winnemucca***				.02	T.	T.				T.		.04	.01					T.							.23	.19						0.49
Truckee Basin.																																
Franktown																																
Marlette Lake ‖				.02		.20		.14	.02				.18	.04												.59	.10					1.29
Reno ***				T.	.10			.01				T.	T.					.01					T.	T.	.09	.02	.02					0.25
Tahoe, Cal. ‖				.24	.04	.37		T.	T.	T.	.08		.26	T.										.03		.21						1.23
Carson Basin.																																
Fallon ‖													.02												.28		.10					0.40
Lahontan										T.		.03													.83	T.						0.86
Minden																							.30			.50						0.80
Markleeville, Cal					T.							.01	T.					T.								.43	.01					0.45
Walker Basin.																																
Mina																									.06	.60						0.66
Smith																								.04	.53	T.	.07					0.64
Thorne																									.30							0.30
Yerington																									.25	.49	.08					0.82
Shields Ranch, Cal																							T.			.40						0.40
Colorado Basin.																																
Indian Springs ‖																											.07	.02	.01			0.10
Las Vegas						T.																				T.	.50	.10				0.60
Logandale																										.04						0.04
Minor Basins.																																
Beatty																											.19	.12				0.31
Duck Flat				T.	T.																											T.
Gerlach																									.13							0.13
Goldfield																									T.	T.	.06					0.06
Jungo				T.						T.			T.												T.							T.
Lemmons Valley					T.					T.													T.	T.	.25	.02	.05					0.32
McDermitt						T.				.10								.15								.19						0.44
McGill					T.		T.					.23	T.										.01				.05					0.29
Millett																									T.		.12					0.12
Oasis Ranch																																0.00
Pahrump																																
Quinn River Ranch																									T.							T.
Rebel Creek					T.	.03				.06		T.	.05											.17	.02							0.33
Sand Pass					.04					T.															.10	T.	.02			.02		0.18
Searchlight																											.04	.13				0.17
Sharp																																0.00
Sulphur				T.									T.											.04	.30	T.	.27					0.61
Tonopah***							T.	T.				T.													.02	T.	.01			T.		0.03
Vya ‖				.08																												0.08

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.
‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

Daily evaporation (inches) and wind movement (miles) for April, 1919.

(See temperature and precipitation data in climatological tables, pages 28 to 30.)

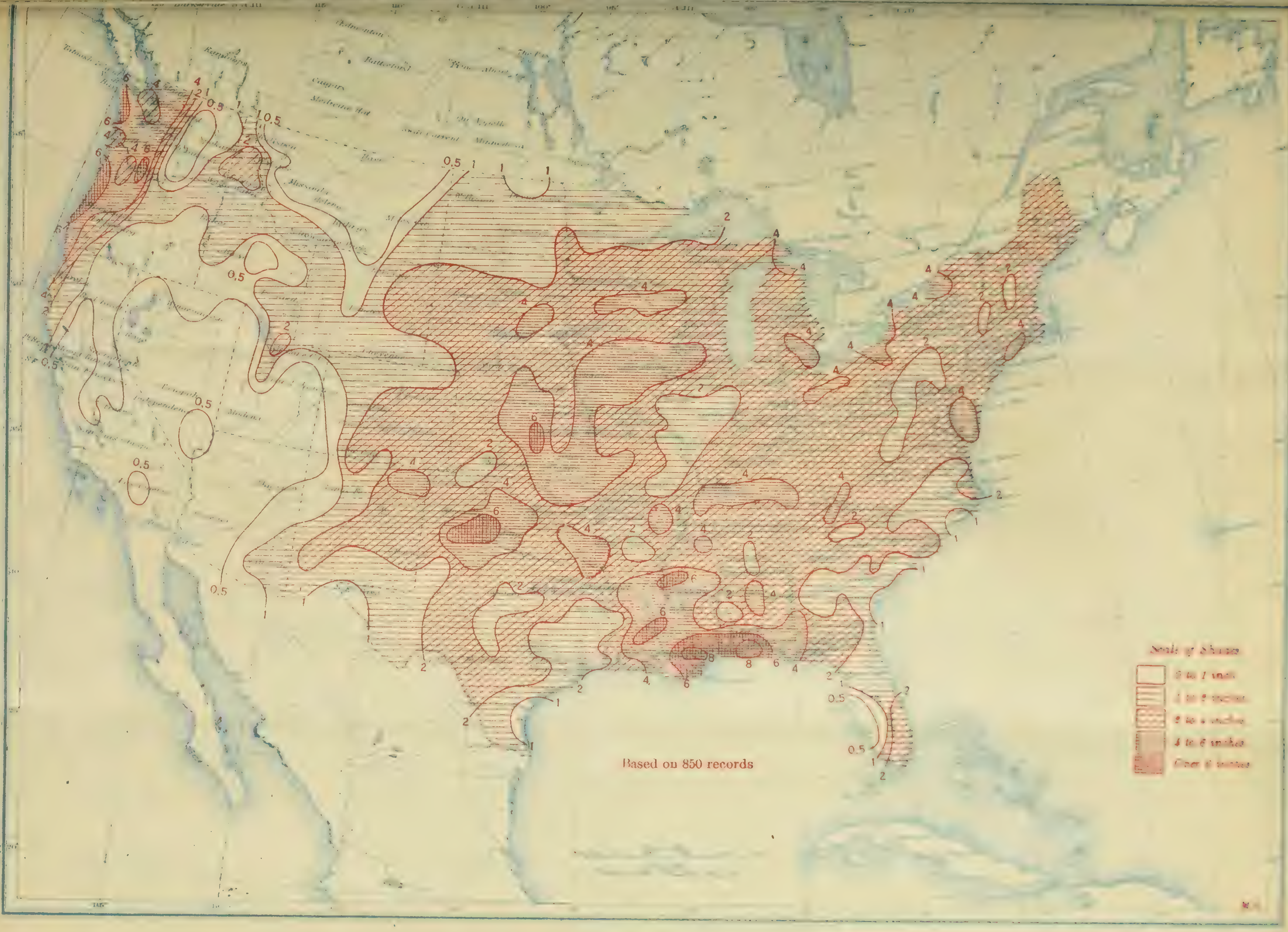
Stations.	Data.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Monthly.
Indian Springs*	Evaporation	....	.255	.236	.336	.219	.398	.263	.179	.191	.246	.230	.288	.382	.362	.246	.215	.296	.382	.288	....	.352	.333	.340	.325	.340	.344	.106	.105	.205	.295	....	8.311
	Wind movement	30	41	23	64	54	148	72	33	9	87	40	46	71	75	28	37	36	48	68	40	57	52	41	52	63	65	91	18	44	17	....	1,521
Lamoille*	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
	Wind movement	60	75	74	77	101	117	75	34	67	43	78	48	54	77	65	73	60	87	87	50	51	70	76	80	71	43	47	41	51	67	....	1,999
Marlette Lake*	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Wind movement	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Tahoe, Cal. ** †	Evaporation	.050	.080	.110	.020	.080	.075	.045	.050	.060	.040	.040	.115	....	.090	.080	.130	.090	.055	.145	.160	.115	.095	.105	.045	.100	.230	.070	.070	.070	.080	....	2.495
	Wind movement	61	78	63	43	49	97	132	68	68	82	64	66	76	67	61	57	88	152	71	67	57	82	32	35	78	100	78	62	48	36	....	2,118

* Observations taken at 7 a. m.; ** at 8 a. m. ‡ Included in next following entry. † Readings made in standard pan exposed on float in lake.

Daily temperatures for April, 1919.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Owyhee	Maximum	51	65	66	55	47	38	47	38	52	49	55	45	43	47	56	64	70	63	63	54	68	72	78	74	62	64	....	67	69	69	....	58.3
	Minimum	28	41	40	33	35	27	28	25	24	41	44	34	31	21	29	28	34	38	33	33	32	38	46	49	36	34	....	37	36	33	....	34.1
San Jacinto	Maximum	60	60	63	63	46	38	37	42	51	45	48	49	45	48	58	65	71	64	64	63	69	74	76	74	65	61	61	68	70	71	....	59.0
	Minimum	24	29	37	31	29	27	19	20	17	33	31	20	31	23	15	18	34	33	19	42	18	30	33	35	36	29	42	31	31	21	....	27.9
Humboldt Basin.																																	
Austin	Maximum	....	....	64	62	53	60	45	42	52	56	56	57	....	48	65	68	74	70	76	75	79	72	72	68	61	61	68	70	72	74	....	63.7
	Minimum	29	32	31	40	25	28	18	31	21	33	32	35	....	19	29	35	39	39	36	37	41	40	50	32	32	30	33	40	43	43	....	31.4
Battle Mountain	Maximum	69	70	74	72	70	64	60	55	59	60	63	58	60	61	64	71	78	76	78	80	80	82	81	81	75	65	68	74	78	80	....	70.2
	Minimum	29	29	34	50	46	30	18	31	25	21	36	41	35	21	19	21	34	43	40	37	33	30	35	38	43	35	37	38	38	38	....	33.5
Clover Valley	Maximum	64	66	65	55	50	48	50	54	58	59	57	58	59	51	53	65	72	65	68	71	72	75	75	75	65	69	70	75	71	72	....	63.6
	Minimum	29	29	28	27	26	....	20	25	31	34	33	32	27	18	24	25	31	39	27	29	30	35	43	36	36	35	35	36	31	31	....	30.4
Elko	Maximum	65	67	69	70	68	64	44	49	55	50	59	53	51	49	55	71	77	72	70	77	72	80	77	77	76	66	70	75	77	78	....	66.1
	Minimum	27	34	36	34	31	24	20	23	20	33	28	37	30	23	23	25	33	36	26	38	29	32	33	34	40	33	32	33	35	35	....	30.6
Eureka	Maximum	62	63	67	66	61	42	44	45	53	63	59	62	65	49	63	70	76	72	69	65	72	75	76	73	64	63	61	67	72	76	....	63.8
	Minimum	30	32	35	44	31	27	23	22	20	31	31	34	32	18	25	32	43	38	30	35	32	38	38	44	36	30	34	36	35	37	....	32.4
Imlay	Maximum	70	72	65	65	67	59	45	47	57	58	61	52	49	50	60	67	75	71	70	63	71	78	82	77	56	71	72	72	73	76	....	65.0
	Minimum	33	30	40	42	40	30	21	27	41	36	35	32	17	25	32	33	32	35	35	35	34	43	40	41	34	39	36	32	42	47	....	34.6
Lamoille	Maximum	58	60	63	56	54	38	40	41	49	52	51	49	36	42	53	63	72	59	63	56	64	70	72	70	61	60	56	63	68	67	....	56.9
	Minimum	33	33	35	38	27	26	19	22	24	26	33	31	29	17	20	30	35	39	31	31	33	35	43	49	42	32	33	38	38	39	....	32.0
Lovelock	Maximum	72	74	74	74	60	51	51	56	61	62	64	64	49	56	68	73	79	74	71	71	75	79	82	70	65	68	77	81	83	80	....	68.8
	Minimum	28	30	30	49	29	35	19	24	20	38	36	43	23	17	20	27	27	41	26	31	30	32	39	40	38	34	35	38	40	40	....	32.0
Metropolis	Maximum	60	64	64	69	64	40	43	42	52	52	52	52	41	44	54	64	72	66	64	65	67	72	74	76	72	67	63	70	72	72	....	61.0
	Minimum	28	30	35	38	27	27	20	24	21	32	31	34	26	20	23	28	31	32	27	35	37	36	36	45	40	32	35	39	35	28	....	31.1
Paradise Valley	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Potts	Maximum	57	61	63	62	60	40	41	49	59	59	65	57	50	57	59	69	71	69	66	61	70	75	73	67	64	57	63	67	67	68	....	61.5
	Minimum	24	27	27	40	27	15	19	15	22	23	33	11	18	14	19	24	29	27	24	35	24	27	33	30	27	30	30	30	30	32	....	25.5
Tecoma	Maximum	65	69	70	70	69	60	59	50	51	60	60	59	54	52	61	65	70	74	70	69	71	75	77	77	78	74	76	78	80	77	....	67.3
	Minimum	22	25	32	28	27	20	18	17	22	28	31	24	23	25	23	20	22	32	25	27	29	36	38	37	36	33	35	36	34	33	....	27.9
Winnemucca	Maximum	68	72	72	58	56	48	47	52	61	58	60	51	46	54	64	72	73	62	68	65	74	78	82	75	53	66	66	74	76	80	....	64.4
	Minimum	31	30	35	32	30	30	21	30	21	44	33	34	27	18	27	29	32	40	31	36	32	33	47	43	40	36	37	40	40	41	....	33.3
Truckee Basin.																																	
Marlette Lake	Maximum	55	54	53	39	33	35	35	34	47	38	47	45	30	46	50	51	46	40	45	52	55	63	60	49	41	47	50	57	65	60	...	47.4
	Minimum	23	26	30	33	30	16	16	21	17	19	27	31	21	10	12	30	32	32	25	23	27	25	31	36	28	29	30	33	35	37	....	26.2
Reno	Maximum	68	72	70	57	50	49	50	52	64	59	64	55	46	57	68	68	65	57	60	66	70	74	76	65	55	62	64	77	80	77	....	63.2
	Minimum	32	35	38	40	31	34	29	31	26	42	37	33	30	27	32	35	37	38	31	32	34	35	43	43	36	37	41	42	42	47	...	35.7
Tahoe, Cal	Maximum	56	51	57	47	36	41	40	40	49	45	51	44	40	46	57	57	56	46	48	56	56	55	64	54	45	50	54	63	65	67	....	51.2
	Minimum	23	24	27	34	27	16	18	20	19	30	24	30	24	15	24	26	30	35	25	25	24	24	28	31	26	30	30	31	31	32	....	26.1
Carson Basin.																																	
Fallon §§	Maximum	71	74	76	68	63	53	52	55	63	66	65	63	50	56	71	75	78	67	71	68	76	80	84	75	62	66	67	78	80	83	....	68.5
	Minimum	31	33	36	49	31	34	31	27	23	38	35	42	29	19	28	30	30	39	28	35	32	35	43	46	42	41	37	38	41	41	....	34.7
Lahontan	Maximum	70	73	74	67	58	51	52	53	63	65	64	62	51	55	70	72	71	66	69	66	73	76	77	73	62	68	67	74	79	82	....	66.8
	Minimum	38	42	46	50	37	35	32	31	32	46	41	45	35	26	34	39	42	42	39	41	40	44	51	52	44	40	43	47	50	50	....	41.1
Minden	Maximum	55	71	73	65	58	51	48	48	66	58	66	62	58	58	72	76	71	62	67	65	72	75	79	67	65	65	67	76	81	80	....	65.9
	Minimum	26	30	33	45	33	27	26	24	20	35	26	32	....	18	29	30	35	37	28	29	30	30	35	39	58	34	36	35	38	41	....	32.4
Walker Basin.																																	
Mina	Maximum	67	72	76	74	70	55	60	53	62	77	76	73	72	70	75	78	80	83	71	70	79	....	76	79	79	57	70	72	78	89	....	72.2
	Minimum	34	32	38	44	30	30	32	23	22	31	29	37	40	41	24	26	29	32	33	34	39	....	35	40	39	35	41	38	36	42	....	34.0
Thorne	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Yerington	Maximum	73	75	79	69	63	55	51	56	65	66	67	65	54	59	74	75	77	73	75	69	78	79	81	72	64	64	65	77	80	87	....	69.6
	Minimum	30	32	43	50	41	26	30	26	23	34	27	41	34	18	26	27	28	36	29	28	28	32	40	40	33	36	38	38	44	41	....	33.4
Colorado Basin.																																	
Indian Springs	Maximum	77	77	80	78	77	64	63	62	70	76	78	82	77	67	70	82	88	88	79	80	82	86	88	80	75	73	65	77	83	....	....	76.7
	Minimum	38	39	41	45	49	40	36	35	34	34	39	34	50	36	38	36	44	51	47	46	41	43	45	48	45	38	42	40	41	48	....	42.9
Las Vegas	Maximum	83	85	87	82	82	79	82	86	87	86	86	84	81	86	86	88	90	91	93	95	93	93	94	93	78	76	74	78	92	99	....	86.4
	Minimum	48	46	49	47	62	45	48	58	56	60	62	64	64	41	41	40	41	44	45	48	46	48	50	50	55	41	44	46	48	50	....	49.6
Logandale	Maximum	85	85	88	84	82	83	71	75	78	81	85	89	87	77	80	88	91	90	86	90	91	94	94	87	82	76	80	85	88	96	....	84.9
	Minimum	47	45	44	46	48	47	42	49	45	40	43	46	55	51	44	41	46	46	49	50	49	45	55	52	49	46	48	47	48	54	....	47.2
Minor Basins.																																	
Beatty	Maximum	78	79	79	79	79	75	62	61	76	70	77	76	78	75	71	76	89	88	79	78	81	83	88	85	73	70	64	79	86	91	....	77.5
	Minimum	43	41	39	39	40	39	35	32	33	33	37	41	35	34	36	35	39	38	39	45	37	42	49	40	43	44	42	42	42	52	....	39.5
Gerlach	Maximum	70	73	74	65	54	53	55	55	63	65	63	64	50	56	70	70	75	68	68	68	75	77	83	81	69	69	70	78	81	84	....	68.2
	Minimum	26	30	35	35	34	32	33	33	22	41	34	42	25	20	30	31	34	44	28	34	32	34	40	45	42	32	37	37	42	42	....	34.2
Goldfield	Maximum	67	....	72	87	65	50	45	48	58	65	65	72	78	60	68	70	75	70	70	65	80	75	85	70	72	60	60	70	75	80	....	68.2
	Minimum	34	....	40	46	35	30	24	24	24	24	25	37	34	25	25	26	30	30	30	35	34	40	48	42	34	34	35	36	40	42	....	33.2
McDermitt	Maximum	64	69	69	69	50	41	45	50	59	60	60	61	60	59	60	60	59	61	62	62	64	63	67	72	79	80	78	76	80	80	....	64.0
	Minimum	30	32	30	33	30	29	25	26	29	32	29	27	24	26	20	23	21	24	24	26	27	28	30	30	36	35	34	39	39	41	....	29.3
McGill	Maximum	63	65	67	65	60	42	43	47	59	62	59	62	62	51	62	68	72	70	70	68	71	77	74	71	69	64	60	69	75	77	....	64.1
	Minimum	31	30	35	41	35	28	21	21	25	30	31	36	35	24	44	30	41	41	40	39	42	49	42	45	40	38	40	37	37	40	....	35.6
Millett	Maximum	64	68	70	68	63	48	46	48	57	64	63	69	58	54	67	73	78	72	73	68	73	77	78	71	61	61	62	70	74	79	....	65.9
	Minimum	26	25	25	42	30	29	16	21	16	23	23	33	36	17	21	23	32	32	26	35	26	27	33	35	29	28	30	32	32	30	....	27.7
Oasis Ranch	Maximum	69	74	68	65	71	58	53	52	63	74	67	75	68	65	70	79	81	76	77	79	80	79	82	70	74	76	72	68	80	....	....	71.2
	Minimum	30	31	29	25	31	30	25	24	30	33	31	34	35	25	27	28	42	36	36	32	27	35	40	44	46	39	35	29	37	....	....	32.6
Rebel Creek	Maximum	69	71	71	64	53	44	43	51	57	59	57	55	44	53	61	69	71	63	66	64	72	77	80	74	61	66	70	74	69	78	....	63.5
	Minimum	35	38	41	42	34	31	28	27	26	45	35	33	34	21	30	34	48	47	32	35	35	37	45	44	35	40	38	44	47	45	....	36.9
Sand Pass	Maximum	70	73	72	65	54	51	54	55	66	60	63	56	50	56	68	69	70	57	63	66	73	75	80	77	62	68	67	77	80	81	....	65.9
	Minimum	35	35	39	48	34	34	30	33	30	50	37	44	33	24	32	36	46	45	31	34	34	36	46	44	42	37	40	45	47	48	....	38.3
Searchlight	Maximum	72	78	78	73	74	64	62	64	65	76	78	80	75	75	73	81	86	85	80	83	83	87	85	76	72	67	63	73	82	88	....	75.9
	Minimum	50	48	52	51	49	42	45	43	46	45	50	55	52	44	50	52	55	58	53	57	56	59	59	55	59	45	40	47	55	60	....	51.1
Sharp	Maximum	62	65	68	67	67	60	45	46	50	65	63	66	60	58	60	68	65	65	67	66	70	72	74	67	60	62	58	66	68	70	....	63.3
	Minimum	30	31	35	38	34	27	22	24	22	27	31	34	35	22	28	30	36	31	35	34	36	38	42	37	34	33	30	40	42	40	....	32.6
Sulphur	Maximum	71	74	74	73	56	48	51	55	64	63	62	61	52	55	68	72	75	68	68	65	73	77	82	81	69	68	67	75	78	79	....	67.5
	Minimum	26	28	30	34	43	33	19	20	22	25	27	28	30	14	16	19	25	27	28	38	37	31	33	35	37	33	25	38	38	38	....	29.6
Tonopah	Maximum	62	63	65	66	60	41	39	43	52	59	58	65	48	50	62	68	71	68	67	61	67	70	71	62	59	55	57	65	71	74	....	60.6
	Minimum	40	46	46	44	30	28	27	26	26	41	35	41	29	25	38	44	48	45	41	36	43	45	54	45	34	31	34	43	51	52	..	38.9

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Scale of Shades
0 to 1 inch
1 to 2 inches
2 to 4 inches
4 to 6 inches
Over 6 inches
Based on 850 records

Snowfall in the elevated regions of Nevada Section, April, 1919.

The snowfall in the mountains during April was light and, therefore, the outlook for the water supply for the coming season remains about the same as indicated in our bulletin for March. The only watershed in which the April snowfall added materially to the water content was in the higher mountains of the Humboldt, and the precipitation was below normal in that region. However, there was more moisture during April of this year in the upper drainage basins of all streams than occurred during April of last year.

The average water content in the snow cover in the vicinity of Summit, Cal., the early part of April, was about 10 inches more this year than at the same time of 1918, and about 16 inches less than the water content on March 15, 1917. In other portions of the Truckee Basin the difference between last year and this year does not seem to be so great. The water content of the snow cover in the entire basin was near the normal. At Blue Lakes, in the upper rim of the Carson Basin, the water content of the snow cover was 36.9 inches the first of April, which is about 2.5 inches less than the amount measured the first of April, 1918. The water content of the snow cover in the Walker Basin seems to be from 85 to 90 per cent of the normal. All normals for the water content of the snow cover at the end of the season before melting starts are somewhat unreliable, because of the fact that records do not cover a sufficient period of years to establish accurate normals.

At the close of April, the indications were favorable for a normal flow of water in the Truckee, Carson, and Humboldt Rivers, and somewhat less than normal in the Walker River, assuming that the precipitation for May and June would be about normal.

The following table gives the average depth and the average water content from one or more snow courses of 20 to 40 measurements each. The locations were selected at places considered to be free from drifting, and where measurements would represent the actual snowfall as nearly as possible. The measurements were taken near the end of the snowfall season before there was any material loss of water from run-off.

Date of survey.	Depth in inches,	Water content in inches.
WALKER RIVER BASIN.		
Center Mountain Snow Course, Elevation 8,800 to 9,050 feet, approximately.		
April 8, 1916	125.8	54.8
April 16, 1919	96.1	33.6
Big Meadow Snow Course, Elevation 7,525 feet, approximately.		
April 9, 1916	78.2	36.1
April 17, 1919	52.0	17.6
Pickle Meadow Snow Course, Elevation 7,280 to 7,750 feet, approximately.		
April 4, 1916	43.2	21.0
April 20, 1919	17.7	5.2
Willow Flat Snow Course, Elevation 7,950 to 8,075 feet approximately.		
April 5, 1916	50.4	23.0
April 22, 1919	28.2	10.2
Leavitt and Pickle Meadow Snow Course.		
April 21, 1919	17.6	6.0
CARSON RIVER BASIN.		
Blue Lakes Snow Course, Elevation 8,000 feet.		
March 24, 1916	132.4	57.1
April, 1918	94.0	39.3
April, 1919	92.3	36.9
TRUCKEE RIVER BASIN.		
Rubicon Snow Course, Elevation 8,100 feet.		
April, 1916	154.1	62.4
April, 1917	147.9	54.5
April, 1918	106.3	39.9
April, 1919	108.7	42.1
Summit Snow Course, Elevation 7,017 feet.		
March 15, 1917	168.0	57.4
April 9, 1918	73.0	30.9
April 8, 1919	88.0	41.0
HUMBOLDT RIVER BASIN.		
Little Humboldt Snow Course.		
April 11, 1919	29.2	10.0
South Furlong Snow Course.		
April 15, 1919	54.9	18.1

SNOWFALL.

(Inches.)

Stations.	Counties.	Altitude.	Total snowfall.	Amount on ground on 15th of month.	Amount on ground on last day of month.	Depth on last day of month compared with normal.
Truckee Basin.						
Marlette Lake	Washoe	7,900	11.5	70	46	+ 1
Tahoe, Cal	Placer	6,230	5.0	31	7	− 3
Truckee, Cal	Nevada	5,818	0	0	0	0
Summit, Cal.*	Placer	7,017	6.0	91	54	.....
Carson Basin.						
Markleeville, Cal	Alpine	5,525	T.	0	0	0
Tamarack, Cal.*	do	8,000	.....	.....	.....	.....
Walker Basin.						
Shield's Ranch, Cal	Mono	5,300	0.0	0	0	0
Smith	Lyon	4,800	0.0	0	0	0
Humboldt Basin.						
Arthur	Elko	6,500	1.4	0	0	0
Austin	Lander	6,594	0.0	0	0	0
Eureka	Eureka	6,837	T.	0	0	0
Gold Creek *	Elko	.....	.....	.....	.....	.....
Hylton	do	7,081	0.0	0	0	0
Lamoille	do	6,100	.....	0	0	0
Mahoney Ranger Station*	do	6,200	.....	.....	.....	.....
Metropolis	do	5,661	1.0	0	0	0
Millett	Nye	5,040	0.0	0	0	0
North Fork	Elko	6,500	2.0	0	0	0
Tuscarora	do	.....	2.0	0	0	.....
Winnemucca	Humboldt	4,344	T.	0	0	0

T. indicates a trace. *Near divide of upper drainage basin.

(This is the last Snowfall Bulletin of the Season.)

N E

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

[illegible]
JUL 1 1919

CLIMATOLOGICAL DATA

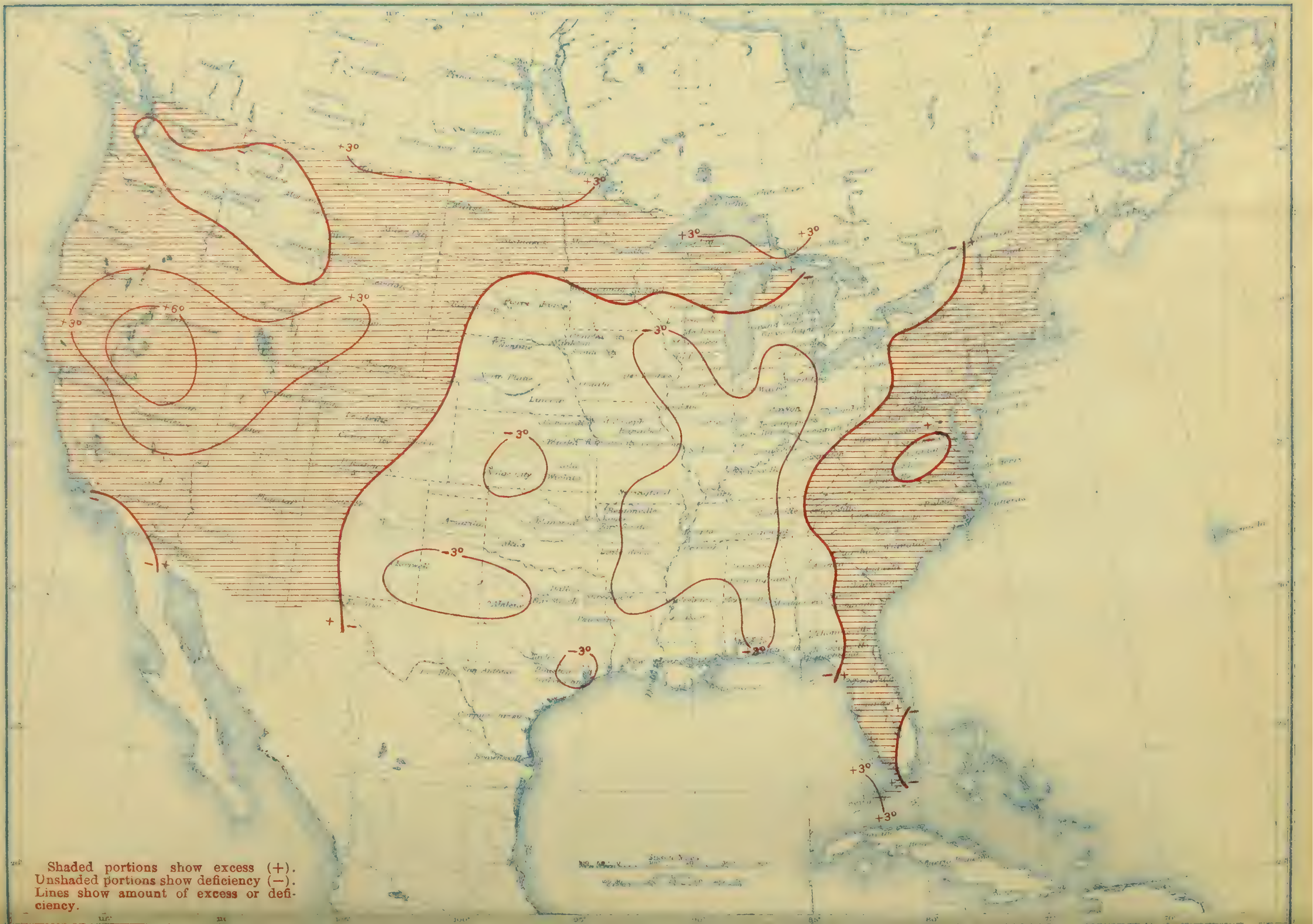
NEVADA SECTION

MAY, 1919

BY
HENRY F. ALPS
METEOROLOGIST

RENO, NEV.
WEATHER BUREAU OFFICE
JUNE 24, 1919.

Departure of the Mean Temperature from the Normal, May, 1919.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALPS, Meteorologist.

VOL. XXXIV. RENO, NEVADA, MAY, 1919. No. 5.

GENERAL SUMMARY.

The past month was the warmest May in Nevada since statewide records were started in 1889. The average temperature for the State was 5.2° above normal. At Reno, the average temperature was 7.2° above normal. The warm period which started near the close of April continued until May 30th, when there was a change to much cooler weather. Twenty-seven stations reported temperatures of 90° or higher, and Logandale recorded 105° on the 27th. Slight damage to fruit by frost was reported in some of the northern districts during the first part of the month.

The month was very dry until the last decade when light to heavy thundershowers fell over the greater part of the State. The heaviest rainfall was on the 28th and 29th. The storms were quite local in character for the month of May. Some stations received nearly one inch when only light amounts were recorded at places only a few miles away. Reno recorded 0.93 inch on the 28th; Lemons Valley, about 12 miles to the north, recorded only 0.22 inch, while at Tahoe there was only 0.05 inch. The driest areas of the State were the north two-thirds of Washoe County, the extreme west portion of Humboldt County, the north portions of Lander and Eureka Counties, and the south portions of Nye and Clark Counties. The heaviest rainfall was in the north portion of Nye County and adjoining portions of other Counties, the north-central portion of Elko County, and the vicinity of Reno.

The warm weather caused vegetation to make rapid growth, especially in irrigated sections. Wheat, barley, oats, and alfalfa advanced rapidly. Fruit was generally well set and promising. Range feed was unusually plentiful and stock were reported in a gaining condition. The snow in the mountains melted rapidly and streams were high.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 37 stations, was 60.1°. The mean for the 24 stations having ten or more years' record was 5.2° above normal. The highest recorded was 105°, at Logandale on the 27th; the lowest was 15°, at Vya on the 3d. The greatest daily range was 59°, at Quinn River Ranch on the 13th. The highest monthly mean was 75.4°, at Logandale; the lowest was 49.2°, at Marlette Lake.

PRECIPITATION.

The average for 47 stations reporting was 0.63 inch. For the 28 stations having ten or more years' record, the mean was 0.22 inch below the normal. The average amount at 4 stations in the Columbia Basin was 1.18 inches; at 16 stations in the Humboldt Basin, 0.61 inch; at 2 stations in the Truckee Basin, 0.78 inch; at 3 stations in the Carson Basin, 0.40 inch; at 4 stations in the Walker Basin, 0.87 inch; at 2 stations in the Colorado Basin, 0.29 inch; at 16 stations in the minor basins, 0.52 inch. The greatest monthly fall was 2.21 inches, at Mina; there was none at Beatty and Duck Flat. The average number of days with precipitation was 2.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric pressure (sea level)			Mean relative humidity		Wind.			
	Mean.	Highest.	Lowest.	5 a. m.	5 p. m.	Average hourly velocity.	Max. velocity. Miles per hour	Direction.	Date.
Reno	29.82	30.13	29.55	65	23	7.3	33	w.	16
Winnemucca	29.86	30.31	29.50	63	21	6.2	30	sw	28
Tonopah	29.78	30.09	29.61	46	23	9.1	40	nw	30

SUNSHINE AND CLOUDINESS.

At Reno, 88 per cent of the possible sunshine was recorded; at Winnemucca, 92 per cent; at Tonopah, 77 per cent. For the State, the average number of clear days was 18; partly cloudy, 9; cloudy, 4.

MISCELLANEOUS PHENOMENA.

(Dates of).

Brisk winds.—1, 2, 3, 4, 5, 11, 13, 14, 15, 16, 18, 19, 21, 22.

Thunderstorms.—8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 28, 29, 30.

Hail.—9, 21, 22, 24, 28.

Solar halos.—15, 19.

Lunar halo.—7.

COMPARATIVE DATA FOR MAY.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	57.8	106	20	1.44	3.6	5	13	8	10	sw.
1890	59.9	105	23	1.05	0.4	4	18	7	6	s.
1891	54.7	95	21	2.43	2.4	10	10	10	11	sw.
1892	53.8	100	13	1.17	6.6	6	12	10	9	w.
1893	52.6	98	18	0.41	0.8	3	16	7	8	sw.
1894	56.3	95	16	0.80	1.0	4	15	8	8	sw.
1895	56.1	105	18	0.55	2.5	4	13	9	9	sw.
1896	48.2	108	5	2.03	4.0	6	10	9	12	w.
1897	60.0	99	12	0.59	0.1	4	15	10	6	s.
1898	51.8	93	20	1.84	1.6	7	11	9	11	w.
1899	49.7	96	10	0.68	1.8	4	10	10	11	sw.
1900	56.6	101	20	0.77	0.5	3	16	5	10	w.
1901	56.2	94	19	0.86	1.2	4	13	8	10	sw.
1902	53.7	102	16	0.37	1.0	3	15	8	8	sw.
1903	54.1	106	15	0.70	2.4	3	16	7	8	sw.
1904	54.0	98	10	0.84	1.1	3	18	6	7	n.
1905	50.1	94	14	1.23	2.1	5	12	8	11	sw.
1906	53.1	98	14	1.38	0.6	5	13	8	10	w.
1907	51.8	99	13	0.56	0.9	3	13	10	8	w.
1908	49.9	99	7	1.01	3.3	5	12	10	9	w.
1909	52.8	100	10	0.18	0.3	2	15	10	6	w.
1910	58.9	114	11	0.21	1.3	1	21	6	4	w.
1911	50.6	97	16	0.45	0.6	2	13	10	8	sw.
1912	54.0	101	20	0.46	0.2	3	15	10	6	w.
1913	57.1	100	5	1.28	0.1	4	15	9	7	w.
1914	59.4	111	10	0.53	T.	3	15	11	5	w.
1915	53.2	103	12	1.34	2.0	6	9	12	10	w.
1916	52.2	101	11	0.48	1.9	2	17	8	6	w.
1917	50.3	97	11	2.05	1.2	8	11	9	11	nw.
1918	52.9	97	11	0.52	1.1	3	16	9	6	sw.
1919	60.1	105	15	0.63	0	2	18	9	4	w.
Entire period	54.3	114	5	0.93	1.6	4	14	9	8	w.

Climatological data for May, 1919.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation, in inches. Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	Number of days. With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.	Prevailing direction of the wind.	Observers.
Columbia Basin.																					
Gold Creek (near)	Elko	6,600									6	2.07		1.82	T.	9	17	8	6	nw.	U. S. Forest Service.
Mahoney Ran. Sta** ††	do	6,200	4								4	1.76		1.16	0	3	19	8	4		Do.
Owyhee	do	5,400	8	54.4[a]		89[a]	28	23[a]	31	43[a]	8	1.22		0.80	0	3	26	5	0	s.	E. A. Schwab.
San Jacinto	do	5,200	14	53.3	+4.5	92	28	17	4	51	14	0.71	−0.68	0.65	0	2	17	7	7	n.	Utah Construction Co.
Tuscarora (near)	do										11	0.72		0.50	0	4	10	13	8	nw.	D. B. Williams.
Humboldt Basin.																					
Arthur	Elko	6,500									9	0.27	−1.04	0.27	0	1	29	2	0		Isaac Woodhouse.
Austin	Lander	6,594	30	58.4[b]	+7.8	90[b]	28	32[b]	6	42[b]	30	1.59	+0.05	0.95	0	3	20[a]	6[a]	0[a]	w.	Forest Service.
Battle Mountain	do	4,513	48	62.5	+5.9	98	22	30	7	53	50	0.08	−0.72	0.05	0	3	11	13	7	w.	Southern Pacific Co.
Beowawe	Eureka	4,695	48	60.6	+3.1	95	†27	26	6	51	50	0.10	−0.53	0.10	0	1	16[a]	14[a]	0[a]	w.	Do.
Clover Valley**	Elko	6,000	18	56.5[b]	+5.3	89	28	23[b]	6	46[b]	26	0.14	−1.29	0.14	0	1	23	6	2		J. D. Weeks.
Elko	do	5,063	48	57.3	+3.5	94	26	20	3	56	49	0.20	−0.78	0.20	0	1	17	12	2	sw.	Western Pacific Co.
Eureka	Eureka	6,837	21								23										Clay Simms.
Golconda	Humboldt	4,392	40	60.6	+4.2	94	27	30	†5	43	42	0.95	+0.19	0.95	0	1	4	27	0	w.	Southern Pacific Co.
Hylton**	Elko	7,081									9	0.43		0.24	0	3	24	7	0	nw.	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	6	60.4	+5.2	93	27	30	30	42	6	0.95	+0.34	0.95	0	1	12	17	2	w.	Southern Pacific Co.
Lamoille	Elko	6,100	4	53.6		86	28	22	31	45	4	0.55	−1.29	0.48	0	2	24	3	4	se.	Elko-Lamoille Power Co.
Lovelock	Humboldt	3,977	25	62.2	+2.8	98	28	29	6	55	23	0.46	+0.11	0.46	0	1	15	4	12	w.	Harold W. B. Baker.
Metropolis §	Elko	5,661	6	55.5		95	†28	19	†6	48	10	0.75	−0.21	0.75	0	1	21	8	2	w.	L. F. Hatch.
North Fork	do	6,500									10	0.70		0.70	0	1	12	5	4	s.	Roy C. Pratt.
Paradise Valley	Humboldt	4,500	6								10										F. C. Buckingham.
Potts	Nye	6,002	26	53.6	+2.6	88	28	18	6	50	28	1.00	−0.11	1.00	0	1	12	4	15	s.	Miss Irene Potts.
Tecoma	Elko	4,812	41	58.0	+4.0	98	27	22	13	56	43	0.31	−0.35	0.25	0	2	23	2	6	sw.	Southern Pacific Co.
Winnemucca	Humboldt	4,344	42	59.4	+5.0	96	28	28	31	52	50	1.25	+0.22	1.12	0	5	16	11	4	ne.	U. S. Weather Bureau.
Truckee Basin.																					
Marlette Lake**	Washoe	7,900	4	49.2[a]		78	27	24[a]	31	39[a]	2	0.38		0.38	T.	1	20	11	0	w.	V. & G. H. Water Co.
Reno	do	4,532	32	60.8	+7.2	93	27	33	6	42	6	1.18	+0.39	0.93	0	4	19	11	1	w.	U. S. Weather Bureau.
Tahoe, Cal		6,230	11	50.8		81	27	26	6	43	32	0.22		0.17	0	2	18	10	3	w.	Arthur L. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	25	63.1	+7.4	97	28	30	6	52	25	0.36	−0.34	0.24	0	3	16	13	2	sw.	U.S. Experiment Station.
Lahontan**	do	4,200	7	65.8		96	28	38	31	44	9	0.27		0.27	0	1	20	9	2	se.	U.S. Reclamat'n Service.
Minden	Douglas	4,730	28	58.6[a]	+5.1	95	28	29[a]	6	49[a]	29	0.58	−0.09	0.55	0	2	20	3	8	w.	Forest Service.
Markleeville, Cal		5,525									10	1.90		0.86	0	6	20	11	0	s.	Mrs. Mary Thornburg.
Walker Basin.																					
Mina §	Mineral	4,350	12	63.9	+5.1	94	28	34	5	49	23	2.21	+1.47	1.21	0	4	18	0	13		Southern Pacific Co.
Smith	Lyon	4,800									11	0.47		0.40	0	2	18	11	2	sw.	C. M. Carter.
Thorne §	Mineral	4,200	6								6	0.40	+0.03	0.20	0	3	18	11	2	nw.	Southern Pacific Co.
Yerington §	Lyon	4,375	10	63.3	+8.0	96	28	33	11	56	10	0.41	−0.01	0.22	0	3	22	8	1	n.	W. H. Churchyard.
Shields Ranch, Cal.**		5,300									10	0.54		0.54	0	1	28	2	1		Bruce H. Chichester.
Colorado Basin.																					
Indian Springs § ** ††	Clark	3,136	5	68.2[l]		91[m]	14	45[l]	†8	41[m]	5				0					se.	Ira MacFarland.
Las Vegas	do	2,033	17	74.6	+7.7	101	27	46	3	50	17	0.02	−0.04	0.02	0	1	24[b]	5[b]	0[b]	se.	C. P. Squires.
Logandale §	do	1,355	12	75.4	+4.0	105	27	48	12	49	20	0.56	−0.46	0.49	0	2	22	7	2		Bert Mills.
Minor Basins.																					
Beatty	Nye	3,309	3	69.1		101	28	39	16	51	3	0.00		0.00	0	0	19	4	8	s.	E. E. Palmer.
Duck Flat**	Washoe	4,725									5	0.00		0.00	0	0	24	7	0	w.	C. T. Smith.
Gerlach	do	3,931	7	61.4		98	27	32	7	50	7	0.10		0.10	0	1	18	11	2	sw.	Western Pacific Co.
Goldfield	Esmeralda	5,700	12								14										R. G. Jones.
Jungo	Humboldt	4,165									6	0.50		0.50	0	1	7	16	8	w.	Western Pacific Co.
Lemons Valley**	Washoe	5,000									5	0.22		0.17	0	2	28	3	0	w.	W. J. Webster.
McDermitt	Humboldt	4,700	8	54.8	+1.2	90	†22	21	31	58	32	0.55	−1.07	0.55	0	1				sw.	U. S. Indian Service.
McGill §	White Pine	6,338	9	59.7	+8.7	88	19	29	6	44	9	1.10	−0.19	0.34	0	7	15	8	8	n.	R. E. Middagh.
Millett	Nye	5,040	11	57.1	+5.4	89	27	24	7	50	12	1.07	+0.59	0.70	0	2	17	4	10	w.	Fred J. Jones.
Oasis Ranch § **	Esmeralda	5,106	7								7										Arthur L. Stewart.
Pahrump	Nye	2,608	5								5										F. M. Buol.
Quinn Riv. Ranch**	Humboldt	4,850	17	59.0[d]	+5.4	92[e]	21	23[c]	6	59[e]	18	0.10	−0.37	0.05	0	2	15[c]	8[c]	5[c]	w.	F. M. Payne.
Rebel Creek	do	4,300	7	59.4		89	†21	29	4	47	8	1.72		0.72	0	1	13	14	4	sw.	Fred Whitaker.
Sand Pass**	Washoe	4,198	6	62.4		93	†21	34	31	43	6	T.		T.	0	0	18	6	7	w.	R. R. Mott.
Searchlight	Clark	3,445	6	71.6		97	27	46	23	33	6	0.09		0.09	0	1	15	15	1	s.	C. L. Aug. Mahn.
Sharp	Nye	6,200	5	57.2		82	30	32	†10	42	5	1.30		1.00	0	2	22	0	9	se.	Pauline F. Youngs.
Sulphur	Humboldt	4,044	6	60.1		96	28	26	31	52	6	0.23		0.23	0	1	21	9	1	sw.	Western Pacific Co.
Tonopah	Nye	6,090	14	59.9		84	27	35	31	31	14	1.36		0.76	0	6	21	9	1	w.	U. S. Weather Bureau.
Vya	Washoe	5,500		50.4		85	†20	15	3	54	6	0.01		0.01	0	1	24	6	1	w.	L. A. Mariette.
For the State				60.1	+5.2	105	27	15	3	59		0.63	−0.22	1.82	0	2	18	9	4	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Mahoney Ranger Station, Jarbridge; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of Lahontan, Hazen; of Shields Ranch, Coleville, Cal.; of Duck Flat, Sunkist; of Oasis Ranch, Oasis, Cal.; of Lemmons Valley, Reno; of Quinn River Ranch, Amos; of Sand Pass, Flanigan.

Reference letters, [a], [b], [c], appearing in the table indicate number of days missing, for example, [b] represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for May, 1919.

Stations.	Day of month																															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Columbia Basin.																																
Gold Creek (near)			.02			.01		T.	.05		.02	T.	T.	T.	.01	T.	T.		.03	T.	T.	T.		.01				1.80	.12			2.07
Mahoney Ranger Station ‖									.45					T.					T.		T.	.15							1.16			1.76
Owyhee																			T.	.26	T.	.22							.80			1.28
San Jacinto									.06																				.65			0.71
Tuscarora (near)									.08										[illegible]					[illegible]					[illegible]			[illegible]
Humboldt Basin.																																
Arthur																								.27								0.27
Austin																						.08	.16						.97			1.21
Battle Mountain																				T.	T.		.01	.02			.05					0.08
Beowawe																													.10			0.10
Clover Valley																													.14			0.14
Elko																							T.	T.					.20			0.20
Eureka																																
Golconda																													.96			0.96
Hylton									.07															.24	T.				.12			0.43
Imlay																												.95				0.95
Lamoille ‖																							.07							.48		0.55
Lovelock																				T.	T.	T.							.46			0.46
Metropolis ‖																								T.		T.			.75			0.75
North Fork																													.70			0.70
Paradise Valley																																
Potts																					T.				T.			1.00				1.00
Tecoma																												.06	.25			0.31
Winnemucca***																			.02		.04	.07						.66	.46			1.25
Truckee Basin.																																
Marlette Lake ‖																						T.							.38			0.38
Reno ***									T.					T.							.11	.02	T.	.12				.93				1.18
Tahoe, Cal. ‖															T.							T.	T.	.17				.05				0.22
Carson Basin.																																
Fallon ‖										.02													.10						.24			0.36
Lahontan									T.																			T.	.27			0.27
Minden																											.03	.55				0.58
Markleeville, Cal.																					.01	.01	.01	.86			.16	.85				1.90
Walker Basin.																																
Mina																							.47	.43					1.21	.10		2.21
Smith																				T.		.07						.40				0.47
Thorne																						.20						.10	.10			0.40
Yerington																								.14				.05	.22			0.41
Shields Ranch, Cal.																				T.								.54				0.54
Colorado Basin.																																
Indian Springs ‖																																
Las Vegas																				T.	.02											0.02
Logandale																					T.	.49			.07							0.56
Minor Basins.																																
Beatty																																0.00
Duck Flat																																0.00
Gerlach																													.10			0.10
Goldfield																																
Jungo																													.50			0.50
Lemmons Valley																T.												.05	.17			0.22
McDermitt																													.55			0.55
McGill				.01					.05												T.	.33	.08	.27				.02	.34			1.10
Millett																						T.	.70						.37			1.07
Oasis Ranch																																
Pahrump																																
Quinn River Ranch																												.05	.05			0.10
Rebel Creek																													.72			0.72
Sand Pass																									T.							T.
Searchlight																						.09										0.09
Sharp																									.30				1.00			1.30
Sulphur																													.23			0.23
Tonopah***				T.																T.	.12	.25	.20	.03			T.	.57	.19			1.36
Vya ‖																									.01							0.01

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

Daily evaporation (inches) and wind movement (miles) for May, 1919.

(See temperature and precipitation data in climatological tables, pages 36 to 38.)

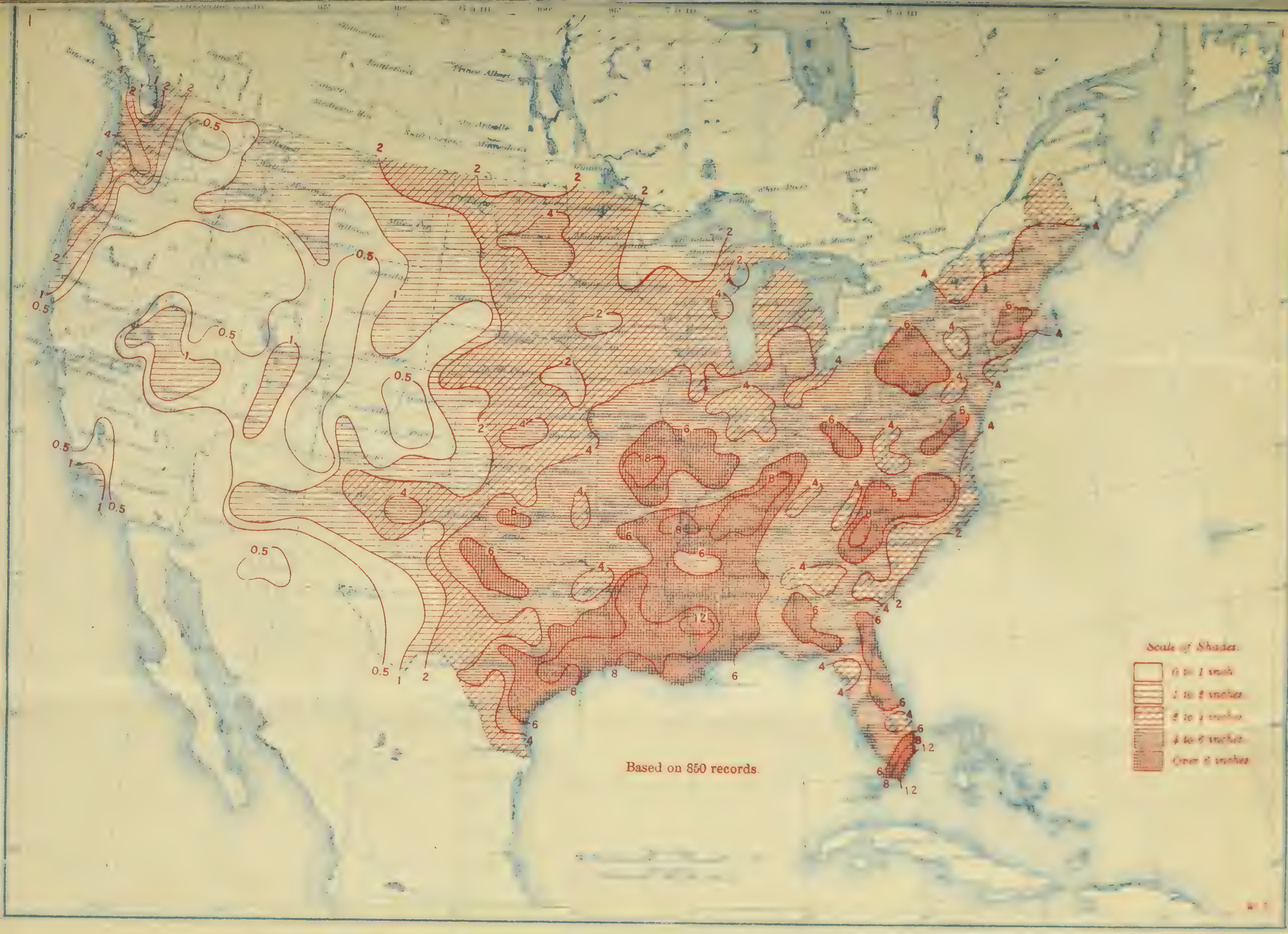
Stations.	Data.	Day of month																															Monthly.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Indian Springs*	Evaporation																																
	Wind movement																																
Lamoille*	Evaporation	.195	.264	.284	.269	.237	.246	.219	.223	.180	.174	.117	.225	.331	.194	.227	.211	.253	.271	.335	.294	.211	.212	.176	.166	.226	.244	.185	.292	.278	.181	.195	7.115
	Wind movement	60	75	89	63	76	84	68	76	55	46	73	55	61	52	56	62	65	63	66	59	46	62	55	57	69	57	61	53	66	44	56	1,931
Marlette Lake.,*	Evaporation																																
	Wind movement																																
Tahoe, Cal. ** †	Evaporation		.020	.150	.070	.020	.040	.120	.120	.120	.080	.090	.210	.070	.070	.230	.180	.130	.100	.110	.120	.240	.160	.130	.020	.230	.080	.070	.090	.160	.120	.270	3.637
	Wind movement	111	22	37	51	74	76	70	57	52	112	65	48	87	128	112	106	13	86	124	58	49	113	2	71	77	62	40	40	106	111	57	2,157

* Observations taken at 7 a. m.; ** at 8 a. m. ‡ Included in next following entry. † Readings made in standard pan exposed on float in lake.

Daily temperatures for May, 1919.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Owyhee	Maximum	68	65	56	63	65	62	69	....	59	58	67	60	73	78	66	65	71	82	83	83	80	80	75	79	81	77	85	89	76	45	53	70.4
	Minimum	33	35	26	24	25	26	30	....	38	26	31	32	30	48	38	39	32	57	50	51	47	50	46	43	48	47	47	60	42	26	23	38.3
San Jacinto	Maximum	71	68	63	64	55	64	68	71	63	60	69	65	71	79	72	69	74	84	84	82	84	84	75	81	82	77	85	92	82	52	53	72.4
	Minimum	30	34	30	17	21	25	21	32	36	32	23	29	20	32	41	32	30	43	48	36	39	48	49	38	40	45	42	43	44	32	29	34.2
Humboldt Basin.																																	
Austin	Maximum	70	74	76	72	70	74	75	78	76	76	72	70	74	72	77	70	74	....	78	82	85	83	73	75	77	80	85	90	76	70	....	76.0
	Minimum	43	44	44	38	34	32	38	40	40	38	34	33	39	37	35	34	36	....	37	47	48	46	44	44	43	46	54	56	48	34	....	40.9
Battle Mountain	Maximum	79	80	80	79	77	77	76	78	79	79	77	76	81	82	79	81	82	90	90	95	97	98	82	86	88	89	96	97	95	68	61	83.0
	Minimum	39	40	41	37	34	32	30	36	39	38	36	35	35	38	42	37	36	37	44	51	52	53	50	50	53	55	55	55	57	33	31	42.0
Clover Valley	Maximum	75	....	....	59	60	65	68	66	67	63	68	70	74	78	68	69	76	83	87	82	86	66	70	84	83	86	86	89	85	54	55	73.2
	Minimum	36	....	....	25	35	23	29	43	40	36	40	50	28	37	44	33	39	41	50	45	48	46	45	43	46	48	49	51	47	29	27	39.8
Elko	Maximum	77	73	68	60	70	73	74	72	75	73	76	72	84	82	85	87	85	90	90	90	92	91	86	83	87	94	90	92	87	83	48	80.3
	Minimum	35	31	20	28	25	23	28	31	32	29	27	32	28	34	34	37	36	35	37	40	40	42	42	43	46	46	43	41	39	31	27	34.3
Eureka	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Imlay	Maximum	75	68	67	65	67	68	70	79	75	69	72	70	82	80	71	71	79	91	87	90	87	81	87	84	88	87	93	92	73	55	61	76.9
	Minimum	46	40	39	34	37	36	39	45	35	37	37	34	41	44	45	43	38	49	47	50	51	52	46	50	65	60	62	58	36	30	35	43.9
Lamoille	Maximum	65	65	64	65	52	60	65	65	60	57	67	63	70	75	64	68	72	80	81	80	79	79	71	74	79	76	81	86	62	48	51	68.5
	Minimum	39	37	38	26	28	30	30	37	41	30	34	34	28	30	38	37	39	40	46	47	44	47	46	45	46	49	54	53	53	28	22	38.6
Lovelock	Maximum	81	79	79	78	66	73	78	77	73	71	77	75	82	82	79	75	84	88	89	90	92	90	86	88	88	85	95	98	95	73	64	81.6
	Minimum	40	39	44	41	41	29	32	39	46	39	38	36	44	38	35	42	33	33	47	57	51	48	49	47	48	54	53	53	58	37	34	42.7
Metropolis	Maximum	74	75	72	68	63	63	63	66	67	68	69	70	70	88	73	74	74	83	92	86	90	86	78	78	80	82	88	95	92	62	70	76.1
	Minimum	34	35	33	23	29	19	24	25	26	26	27	36	26	44	31	30	33	41	49	40	42	45	48	40	40	41	45	50	52	26	23	34.9
Paradise Valley	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Potts	Maximum	71	70	72	71	65	65	69	72	65	60	74	70	74	74	72	70	79	78	78	84	80	75	76	76	77	84	86	88	65	60	56	72.8
	Minimum	30	32	30	30	34	18	25	30	36	27	25	29	32	42	27	34	30	36	30	34	43	47	42	40	43	45	45	45	45	34	28	34.5
Tecoma	Maximum	79	77	78	79	76	80	79	81	80	68	70	72	72	84	75	80	80	87	90	90	92	89	90	92	94	92	98	97	76	69	67	81.7
	Minimum	28	26	27	30	29	29	31	29	30	34	34	26	22	28	29	30	29	33	46	40	41	43	40	45	47	46	46	46	34	32	33	34.3
Winnemucca	Maximum	76	74	72	72	63	70	75	74	69	66	73	68	78	79	70	72	78	87	87	89	88	86	82	85	86	84	91	96	69	56	59	76.6
	Minimum	39	41	38	33	36	29	35	43	45	33	33	39	35	39	41	47	40	35	47	54	52	53	52	48	50	58	53	60	42	34	28	42.3
Truckee Basin.																																	
Marlette Lake	Maximum	61	60	62	60	58	57	58	58	51	53	55	55	66	67	56	57	64	63	69	74	74	71	67	69	66	71	78	74	60	57	54	62.7
	Minimum	35	37	36	36	33	25	31	32	30	27	30	29	....	42	33	37	33	36	36	35	35	43	41	40	44	45	46	50	47	27	24	35.8
Reno	Maximum	78	78	76	72	68	72	75	69	68	70	70	76	81	69	72	66	79	82	83	88	89	84	78	82	79	85	93	89	75	67	67	76.8
	Minimum	44	43	42	43	40	33	41	41	41	39	41	42	40	47	40	46	39	40	48	51	53	53	51	50	48	53	56	57	49	40	38	44.8
Tahoe, Cal.	Maximum	67	66	67	63	62	64	64	60	58	61	70	67	73	62	61	58	70	70	71	79	80	68	67	72	71	75	81	75	67	62	60	67.5
	Minimum	31	30	29	30	29	26	29	30	29	30	31	30	30	37	32	32	28	34	38	39	43	40	44	38	35	40	44	45	46	34	28	34.2
Carson Basin.																																	
Fallon §§	Maximum	80	83	80	80	68	73	78	76	72	71	79	77	83	81	75	76	86	90	86	90	88	89	86	87	88	87	96	97	80	62	64	80.9
	Minimum	48	42	44	41	47	30	39	42	47	39	38	38	36	43	43	46	39	38	48	45	51	53	54	49	55	57	55	57	59	42	37	45.3
Lahontan	Maximum	80	81	81	78	68	72	76	74	72	69	77	77	82	75	76	71	84	86	85	90	88	88	85	87	88	88	95	96	80	69	65	80.1
	Minimum	56	50	50	51	51	39	48	49	49	45	47	44	45	54	43	52	45	52	55	46	60	61	58	60	58	60	65	68	60	42	38	51.6
Minden	Maximum	80	79	78	77	71	73	76	70	76	70	75	78	83	79	76	74	80	84	79	88	87	88	85	87	83	86	92	95	84	70	66	77.1
	Minimum	40	37	37	36	34	29	35	34	36	33	35	36	34	45	38	45	37	36	....	40	45	45	46	54	43	50	51	50	53	38	34	40.2
Walker Basin.																																	
Mina	Maximum	79	81	80	81	81	74	70	73	71	76	81	80	85	84	78	80	87	88	82	83	80	81	84	83	81	80	93	94	78	76	80	80.8
	Minimum	44	47	43	42	34	35	36	40	41	40	38	36	36	43	52	67	70	57	58	60	47	54	54	51	46	52	49	63	47	37	39	47.0
Thorne	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Yerington	Maximum	84	84	83	81	72	75	79	79	80	79	82	79	84	82	80	78	86	90	87	90	86	89	82	91	87	87	95	96	83	72	68	82.9
	Minimum	44	45	46	40	36	38	38	39	38	36	33	35	35	48	40	35	42	34	38	43	54	49	48	59	60	52	57	58	57	41	36	43.7
Colorado Basin.																																	
Indian Springs	Maximum	90	90	90	90	85	82	84	85	84	82	85	88	90	91	85	87	90	90	....	....	....	....	....	....	....	....	....	....	....	....	....	87.1
	Minimum	53	50	51	52	51	48	46	45	55	45	46	48	49	50	52	50	49	50	47	....	....	....	....	....	....	....	....	....	....	....	....	49.3
Las Vegas	Maximum	92	94	96	96	96	93	90	92	98	89	93	95	95	95	93	94	96	96	98	90	90	93	94	96	99	95	101	99	95	92	88	94.1
	Minimum	56	52	46	49	56	50	50	51	51	60	50	50	54	53	53	53	54	54	53	55	61	56	54	49	56	58	66	71	67	61	59	55.1
Logandale	Maximum	96	97	95	91	90	91	92	93	90	91	89	97	97	96	92	93	98	98	96	95	97	89	82	90	94	100	105	104	92	93	98	94.2
	Minimum	55	52	53	50	50	59	49	56	51	55	54	48	52	52	51	80	50	51	51	53	59	59	51	61	61	65	65	73	62	64	59	56.5
Minor Basins.																																	
Beatty	Maximum	88	88	90	88	87	84	84	84	85	82	86	88	90	91	89	90	92	92	95	87	90	82	78	83	92	89	99	101	86	84	80	87.9
	Minimum	53	48	50	47	43	54	45	42	43	49	46	47	50	42	45	39	50	45	45	56	58	54	51	54	59	58	59	71	48	53	56	50.3
Gerlach	Maximum	81	80	80	80	69	75	78	77	73	70	73	75	81	85	72	73	77	85	87	86	88	84	93	87	86	87	98	86	86	76	78	80.8
	Minimum	36	38	39	40	40	34	32	46	43	40	41	42	38	40	39	43	35	35	43	41	43	39	53	45	52	55	52	52	50	37	35	41.9
Goldfield	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
McDermitt	Maximum	72	78	78	75	65	67	64	64	69	69	70	70	72	73	79	82	85	81	87	87	89	90	90	90	89	90	90	82	64	60	59	76.8
	Minimum	27	30	31	31	29	27	26	27	24	24	26	27	29	30	30	29	27	30	31	30	33	41	40	40	41	45	62	59	50	24	21	32.9
McGill	Maximum	75	75	76	75	68	69	69	70	68	68	73	74	78	77	77	77	80	82	88	85	85	78	75	71	77	83	86	87	80	73	60	76.1
	Minimum	40	42	45	48	47	29	31	41	40	38	43	43	35	43	45	40	40	46	44	47	52	48	46	45	47	54	52	52	50	38	30	43.3
Millett	Maximum	75	75	75	75	68	71	72	72	68	67	76	74	80	78	74	82	83	80	81	85	76	78	77	78	79	82	89	86	71	57	59	75.6
	Minimum	38	32	45	35	42	25	24	32	45	37	26	34	30	34	35	36	36	35	36	38	44	48	44	41	45	59	48	50	53	38	32	38.6
Oasis Ranch	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Rebel Creek	Maximum	74	72	67	69	64	68	73	73	67	66	72	67	76	78	68	67	76	85	86	87	89	86	84	84	84	82	89	83	82	55	56	75.1
	Minimum	43	41	35	29	38	35	39	49	41	37	38	40	34	42	37	45	38	38	53	55	51	56	53	49	50	56	56	60	55	34	31	43.8
Sand Pass	Maximum	80	79	79	76	78	73	76	72	70	70	72	74	81	73	72	78	77	83	87	91	93	87	84	85	82	86	93	93	81	69	65	79.3
	Minimum	44	45	41	42	45	36	41	43	41	38	40	38	40	43	35	44	40	42	44	59	55	57	48	50	52	55	57	62	59	38	34	45.4
Searchlight	Maximum	90	88	84	81	78	82	83	84	81	83	86	87	89	87	83	83	87	87	84	85	79	68	79	82	86	92	97	89	85	87	79	81.4
	Minimum	62	62	61	55	52	57	57	58	55	56	62	61	61	60	61	54	57	58	57	58	58	52	46	57	60	68	68	70	62	60	60	58.9
Sharp	Maximum	73	74	75	74	72	75	74	70	68	65	75	76	74	76	78	75	73	74	75	78	76	78	80	78	79	79	80	78	76	82	80	75.5
	Minimum	41	40	40	42	40	38	36	37	40	32	34	38	40	40	41	38	39	40	38	37	36	39	40	42	40	41	42	43	40	32	38	38.8
Sulphur	Maximum	82	78	77	78	75	72	77	76	73	68	74	78	81	81	74	70	77	85	89	93	94	89	85	86	85	86	93	96	93	71	64	80.6
	Minimum	39	40	34	35	32	27	28	31	35	31	33	34	35	40	39	41	41	36	39	41	42	45	48	48	50	53	55	56	58	36	26	39.6
Tonopah	Maximum	72	72	73	72	65	65	67	69	63	62	72	71	76	75	71	72	77	76	76	77	74	65	65	75	78	78	84	81	67	58	56	71.1
	Minimum	52	49	49	49	47	41	49	49	42	39	44	45	52	53	46	46	46	55	54	57	54	48	45	50	52	56	62	55	50	41	35	48.8

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.



Based on 850 records.

[illegible]
UNIVERSITY OF ILLINOIS
URBANA

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U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

[illegible]

CLIMATOLOGICAL DATA

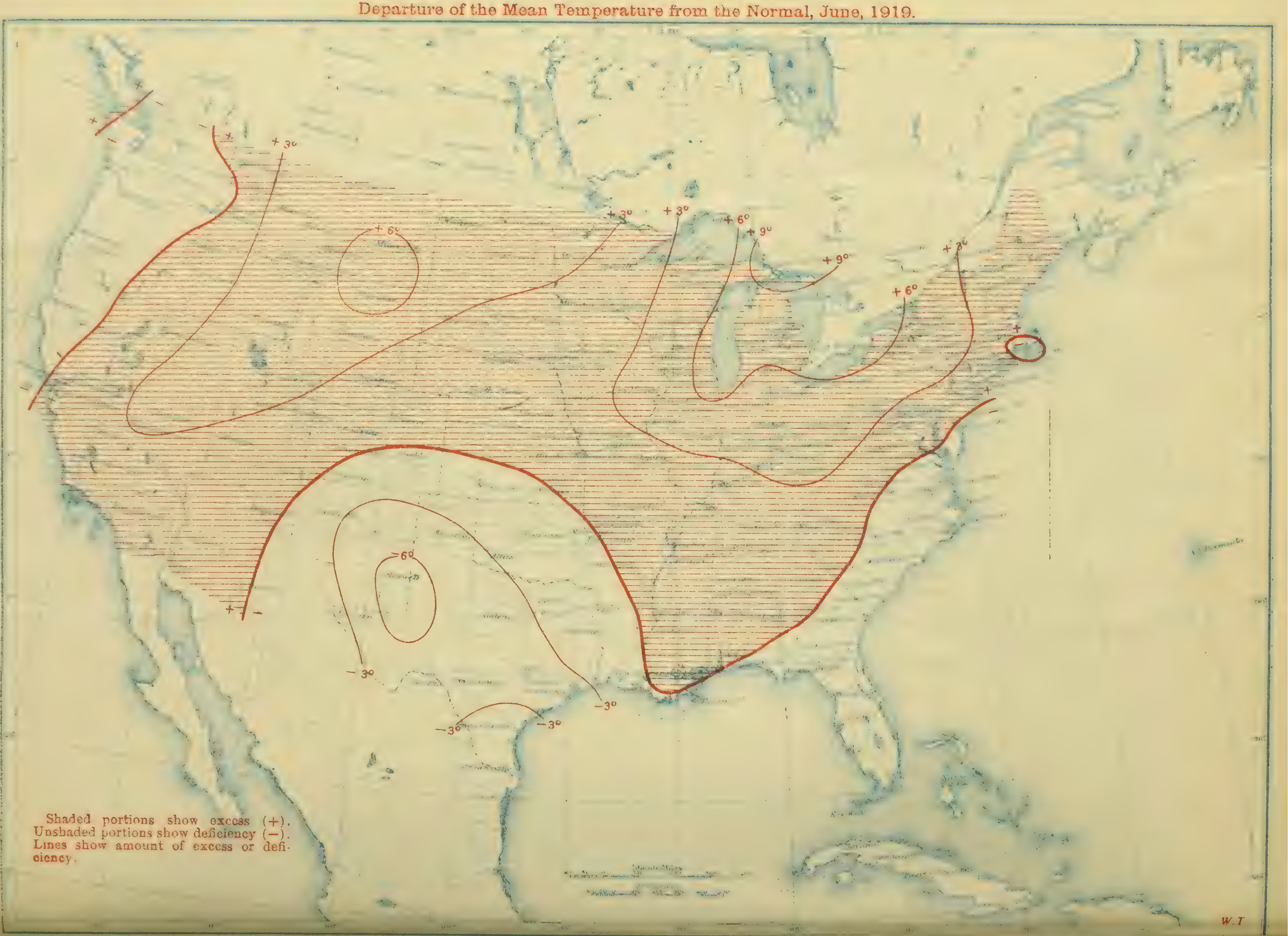
NEVADA SECTION

JUNE, 1919

BY
HENRY F. ALPS
METEOROLOGIST

RENO, NEV.
WEATHER BUREAU OFFICE
JULY 21, 1919.

Departure of the Mean Temperature from the Normal, June, 1919.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALPS, Meteorologist.

VOL. XXXIV. RENO, NEVADA, JUNE, 1919. No. 6.

GENERAL SUMMARY.

June was the driest month in Nevada since state-wide records have been kept. No measurable precipitation was reported, and only five stations in the State recorded a trace. By the end of the month the drought had become severe in some localities. Ranges and pastures in low elevations were drying rapidly. Irrigated crops did not suffer, except at places in the Humboldt Valley and in the east portion of the State, where the streams did not carry a sufficient amount of water for irrigation purposes.

The temperature averaged a little more than one degree above normal. The first two or three days were cool, and light frost damaged early corn, beans, tomato plants, and other tender vegetation to some extent in the north half of the State. A few days of warm weather followed, and another cool spell extended from the 10th to the 17th, when light frost formed in a few localities. The remainder of the month was warm, except that there was a change to cool weather at the close. Maximum temperatures of 90° or higher were recorded at all but three stations, and records of 100° or higher were reported by ten stations. Freezing temperatures occurred at twenty stations.

From an agricultural viewpoint the month was generally favorable. The dry weather was favorable for maturing and harvesting the first crop of alfalfa, and the development of grain in districts where water for irrigation was plentiful. It was detrimental to ranges and pastures, and to crops in sections where the water for irrigation was low. The early deficiency in water for irrigation was caused largely by the excessive run-off in May due to abnormally high temperatures.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 38 stations, was 65.7°. The mean for the 23 stations having ten or more years' record was 1.2° above normal. The highest recorded was 112°, at Logandale on the 27th; the lowest was 22°, at Lamoille and Metropolis on the 1st. The greatest daily range was 61°, at Metropolis on the 22d. The highest monthly mean was 80.8°, at Searchlight; the lowest was 52.2°, at Marlette Lake.

PRECIPITATION.

The average for 47 stations reporting was 0.00. For the 27 stations having ten or more years' record, the mean was 0.50 inch below the normal. The average amount at 3 stations in the Columbia Basin was 0.00; at 16 stations in the Humboldt Basin, 0.00; at 2 stations in the Truckee Basin, 0.00; at 3 stations in the Carson Basin, 0.00; at 4 stations in the Walker Basin, 0.00; at 3 stations in the Colorado Basin, 0.00; at 16 stations in the minor basins, 0.00. The greatest monthly fall was a trace, at 5 stations; there was none at 42 stations. The average number of days with precipitation was 0.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric pressure (sea level).			Mean relative humidity.		Wind.			
	Mean	Highest.	Lowest.	5 a. m.	5 p. m.	Average hourly velocity	Max. velocity. Miles per hour	Direc.	Date.
Reno	29.88	30.34	29.63	55	20	8.2	33	w	13
Winnemucca	29.90	30.38	29.51	19	16	6.3	24	sw	13
Tonopah	29.83	30.25	29.59	27	15	8.0	27	se.	6

SUNSHINE AND CLOUDINESS.

At Reno, 95 per cent of the possible sunshine was recorded; at Winnemucca, 96 per cent; at Tonopah, 96 per cent. For the State, the average number of clear days was 26; partly cloudy, 3; cloudy, 1.

MISCELLANEOUS PHENOMENA.

(Dates of).

Brisk winds.—9, 10, 12, 13, 15, 16, 20, 21, 22, 25, 26, 28, 29, 30.

Thunderstorm.—6.

Solar halo.—9.

Mock suns.—10, 11.

COMPARATIVE DATA FOR JUNE.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	70.0	110	30	0.22	0	2	18	7	5	s.
1890	61.5	109	24	0.05	0.2	1	22	7	1	s.
1891	59.8	97	8	1.18	0.5	5	14	8	8	w.
1892	62.8	110	22	1.06	0.9	4	17	8	5	w.
1893	63.8	100	18	0.04	T.	0	28	2	0	sw.
1894	57.8	92	20	1.12	1.0	5	12	10	8	sw.
1895	62.9	109	14	0.13	0.1	1	20	6	4	sw.
1896	68.7	117	25	0.22	0	2	19	6	5	sw.
1897	62.8	112	20	0.37	0.1	3	16	8	6	w.
1898	65.0	104	20	0.19	T.	1	20	7	3	w.
1899	63.7	103	21	0.60	0.2	2	22	4	4	w.
1900	67.7	111	28	0.32	0.1	2	19	5	6	w.
1901	59.1	99	21	0.15	0.2	1	19	8	3	sw.
1902	66.3	116	20	0.04	0.2	0	24	3	3	sw.
1903	66.5	113	28	0.45	T.	3	17	8	5	sw.
1904	63.6	106	11	0.04	T.	1	21	5	4	sw.
1905	61.9	101	24	0.11	T.	1	21	5	4	e.
1906	60.2	115	20	0.59	T.	2	16	9	5	w.
1907	56.9	111	18	1.09	1.4	5	13	9	8	w.
1908	60.8	116	18	0.47	0.6	3	17	9	4	w.
1909	65.5	112	24	0.28	0	1	19	7	4	w.
1910	65.4	108	23	0.05	0	1	23	5	2	s.
1911	62.8	109	20	0.74	0	4	14	10	6	w.
1912	63.6	112	23	0.59	0	3	17	7	6	w.
1913	61.8	106	28	1.99	T.	8	11	9	10	w.
1914	62.0	114	12	1.26	0.7	6	15	8	7	w.
1915	63.3	109	23	0.13	T.	1	23	5	2	w.
1916	62.5	112	19	0.05	0.1	0	21	7	2	sw.
1917	63.9	110	20	0.13	T.	1	26	3	1	sw
1918	71.6	114	23	0.94	0	4	17	8	5	w.
1919	65.7	112	22	0.00	0	0	26	3	1	s.
Entire period	63.5	117	8	0.47	0.2	2	19	7	4	w.

LATE REPORTS.

May, 1919.—Goldfield, mean temperature, 60.8°; highest, 89° on the 27th; lowest, 32° on the 6th; total precipitation, 0.90 inch; number of days with precipitation, 6; clear, 23; partly cloudy, 8; cloudy, 0.

Climatological data for June, 1919.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days.				Prevailing direction of the wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	....	....	....	....	....	....	....	....	6	....	....	....	....	....	....	....	....	....	U. S. Forest Service.
Mahoney Ran. Sta**	do	6,200	4	....	....	....	....	....	....	....	4	....	....	....	....	....	....	....	....	....	Do.
Owyhee	do	5,400	8	59.6	....	92	†25	27	†1	48	8	0.00	....	0.00	0	0	24	4	2	n.	E. A. Schwab.
San Jacinto	do	5,200	14	62.0	+5.0	92	25	25	1	49	14	0.00	−1.69	0.00	0	0	12	18	0	s.	Utah Construction Co.
Tuscarora (near)	do	....	....	....	....	....	....	....	....	....	11	0.00	....	0.00	0	0	21	7	2	s.	D. B. Williams.
Humboldt Basin.																					
Arthur	Elko	6,500	....	....	....	....	....	....	....	....	9	0.00	−0.95	0.00	0	0	27^{a}	2^{a}	0^{a}	....	Isaac Woodhouse.
Austin	Lander	6,594	30	61.4^{i}	+1.2	92^{i}	24	30^{i}	1	48^{i}	30	0.00	−0.72	0.00	0	0	30	0	0	e.	Forest Service.
Battle Mountain	do	4,513	48	68.3	+2.4	102	†26	34	2	52	50	0.00	−0.51	0.00	0	0	25	0	5	w.	Southern Pacific Co.
Beowawe	Eureka	4,695	48	64.0	−3.2	98	25	29	1	52	50	0.00	−0.42	0.00	0	0	24	6	0	nw.	Do.
Clover Valley**	Elko	6,000	18	64.2	+5.1	91	26	28	1	48	26	0.00	−0.76	0.00	0	0	30	0	0	....	J. D. Weeks.
Elko	do	5,063	48	63.6	+0.9	100	26	27	1	55	49	0.00	−0.90	0.00	0	0	24	5	1	sw.	Western Pacific Co.
Eureka	Eureka	6,837	21	....	....	....	....	....	....	....	23	....	....	....	....	....	....	....	....	....	....
Golconda	Humboldt	4,392	40	66.8	+1.2	100	25	38	7	52	42	0.00	−0.56	0.00	0	0	23	7	0	w.	Southern Pacific Co.
Hylton**	Elko	7,081	....	....	....	....	....	....	....	....	9	T.	....	T.	0	0	28	2	0	sw.	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	6	66.6	−0.3	99	24	40	†2	52	6	0.00	−0.22	0.00	0	0	23	6	1	sw.	Southern Pacific Co.
Lamoille	Elko	6,100	4	60.9	....	90	†24	22	1	44	4	0.00	−0.82	0.00	0	0	30	0	0	se.	Elko-Lamoille Power Co.
Lovelock	Pershing	3,977	25	64.4	−2.3	97	4	31	1	50	23	0.00	−0.28	0.00	0	0	23	2	5	s.	Harold W. B. Baker.
Metropolis §	Elko	5,661	6	64.4	....	106	22	22	1	61	10	0.00	−0.51	0.00	0	0	24	6	0	w.	L. F. Hatch.
North Fork	do	6,500	....	....	....	....	....	....	....	....	10	0.00	....	0.00	0	0	23	7	0	s.	Roy C. Pratt.
Paradise Valley	Humboldt	4,500	6	....	....	....	....	....	....	....	10	....	....	....	....	....	....	....	....	....	F. C. Buckingham.
Potts	Nye	6,002	26	59.2	−2.6	92	28	25	1	52	28	0.00	−0.40	0.00	0	0	24	1	5	s.	Miss Irene Potts.
Tecoma	Elko	4,812	41	66.2	+3.4	100	†22	34	†1	56	43	0.00	−0.60	0.00	0	0	24	6	0	s.	Southern Pacific Co.
Winnemucca	Humboldt	4,344	42	64.2	+0.9	94	24	34	1	47	50	0.00	−0.64	0.00	0	0	27	1	2	sw.	U. S. Weather Bureau.
Truckee Basin.																					
Marlette Lake**	Washoe	7,900	4	52.2	....	76	†18	24	11	38	2	0.00	....	0.00	0	0	27	3	0	sw.	V. & G. H. Water Co.
Reno	do	4,532	32	62.8	+1.8	92	23	33	1	45	6	T.	−0.24	T.	0	0	27	3	0	w.	U. S. Weather Bureau.
Tahoe, Cal	....	6,230	11	53.4	....	81	18	26	11	45	32	0.00	....	0.00	0	0	23	7	0	w.	Arthur L. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	25	65.9	+1.3	97	24	31	1	50	25	0.00	−0.28	0.00	0	0	26	4	0	nw.	U.S. Experiment Station.
Lahontan **	do	1,200	7	69.6	....	93	24	41	1	36	9	0.00	....	0.00	0	0	22	7	1	ne.	U.S. Reclamat'n Service.
Minden	Douglas	4,730	28	62.9^{b}	+1.6	95^{c}	19	31^{d}	11	56^{d}	29	0.00	−0.26	0.00	0	0	24^{b}	4^{b}	0^{b}	nw.	Forest Service.
Markleeville, Cal	....	5,525	....	....	....	....	....	....	....	....	10	0.00	....	0.00	0	0	28	2	0	s.	Mrs. Mary Thornburg.
Walker Basin.																					
Mina §	Mineral	4,350	12	71.8^{h}	+2.2	99	27	37^{c}	1	52^{c}	23	0.00	−0.22	0.00	0	0	27	0	3	....	Southern Pacific Co.
Smith	Lyon	4,800	....	....	....	....	....	....	....	....	11	0.00	....	0.00	0	0	....	....	....	....	C. M. Carter.
Thorne §	Mineral	4,200	6	....	....	....	....	....	....	....	6	0.00	−0.25	0.00	0	0	30	0	0	nw.	Southern Pacific Co.
Yerington §	Lyon	4,375	10	65.8	+1.5	97	24	34	†1	53	10	0.00	−0.37	0.00	0	0	25	5	0	n.	W. H. Churchyard.
Shields Ranch, Cal. **	....	5,300	....	....	....	....	....	....	....	....	10	0.00	....	0.00	0	0	30	0	0	s.	Bruce H. Chichester.
Colorado Basin.																					
Indian Springs §**	Clark	3,136	5	79.6^{o}	....	108^{o}	29	45^{o}	16	51^{p}	5	0.00	....	0.00	0	0	....	....	....	se.	Ira MacFarland.
Las Vegas	do	2,033	17	78.6	+2.9	108	†23	41	1	51	17	0.00	−0.14	0.00	0	0	23^{e}	2^{e}	0^{e}	s.	C. P. Squires.
Logandale §	do	1,355	12	79.6	−1.6	112	27	48	†3	56	20	0.00	−0.10	0.00	0	0	30	0	0	....	Bert Mills.
Minor Basins.																					
Beatty	Nye	3,309	3	72.3	....	102	†20	40	16	55	3	0.00	....	0.00	0	0	28	2	0	s.	E. E. Palmer.
Duck Flat **	Washoe	4,725	....	....	....	....	....	....	....	....	5	0.00	....	0.00	0	0	30	0	0	w.	C. T. Smith.
Gerlach	do	3,931	7	65.3	....	95	†19	30	14	51	7	0.00	....	0.00	0	0	29	0	1	sw.	Western Pacific Co.
Goldfield	Esmeralda	5,700	12	66.8	+1.9	93	24	36	1	40	14	0.00	−0.48	0.00	0	0	29	1	0	s.	R. G. Jones.
Jungo	Humboldt	4,165	....	....	....	....	....	....	....	....	6	0.00	....	0.00	0	0	28	2	0	w.	Western Pacific Co.
Lemons Valley**	Washoe	5,000	....	....	....	....	....	....	....	....	5	T.	....	T.	0	0	29	1	0	w.	W. J. Webster.
McDermitt	Humboldt	4,700	8	....	....	....	....	....	....	....	32	....	....	....	....	....	....	....	....	....	U. S. Indian Service.
McGill §	White Pine	6,338	9	67.2	+1.2	93	24	35	1	42	9	T.	−0.42	T.	0	0	26	4	0	n.	R. E. Middagh.
Millett	Nye	5,040	11	61.8	+1.1	93	17	25	1	56	12	0.00	−0.19	0.00	0	0	25	2	3	s.	Fred J. Jones.
Oasis Ranch §**	Esmeralda	5,106	7	....	....	....	....	....	....	....	7	....	....	....	....	....	....	....	....	....	Arthur L. Stewart.
Pahrump	Nye	2,608	5	....	....	....	....	....	....	....	5	....	....	....	....	....	....	....	....	....	F. M. Buol.
Quinn Riv. Ranch **	Humboldt	4,850	17	62.0^{b}	+0.9	96^{b}	24	27^{b}	†1	56^{b}	18	0.00	−0.53	0.00	0	0	21^{b}	5^{b}	2^{b}	s.	F. M. Payne.
Rebel Creek	do	4,300	7	62.7	....	93	†20	34	1	36	8	0.00	....	0.00	0	0	21	9	0	sw.	Fred Whitaker.
Sand Pass **	Washoe	4,198	6	65.8^{a}	....	94	23	36^{b}	14	47^{b}	6	0.00	....	0.00	0	0	27	2	1	w.	R. R. Mott.
Searchlight	Clark	3,445	6	80.8	....	104	†22	55	12	33	6	0.00	....	0.00	0	0	28	2	0	s.	C. L. Aug. Mahn.
Sharp	Nye	6,200	5	62.0	....	89	†28	32	1	44	5	0.00	....	0.00	0	0	29	0	1	se.	Pauline F. Youngs.
Sulphur	Pershing	4,044	6	64.4	....	96	24	27	1	58	6	0.00	....	0.00	0	0	28	2	0	sw.	Western Pacific Co.
Tonopah	Nye	6,090	14	67.2	....	88	27	39	1	30	14	T.	....	T.	0	0	29	1	0	se.	U. S. Weather Bureau.
Vya	Washoe	5,500	....	55.3	....	88	24	25	1	51	6	0.00	....	0.00	0	0	24	4	2	nw.	L. A. Mariette.
For the State			....	65.7	+1.2	112	27	22	1	61	....	0.00	−0.50	0.00	0	0	26	3	1	s.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Mahoney Ranger Station, Jarbridge; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of Lahontan, Hazen; of Shields Ranch, Coleville, Cal.; of Duck Flat, Sunkist; of Oasis Ranch, Oasis, Cal.; of Lemmons Valley, Reno; of Quinn River Ranch, Amos; of Sand Pass, Flanigan.

Reference letters, ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing, for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for June, 1919.

Stations.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Columbia Basin.																																
Gold Creek (near)																																
Mahoney Ranger Station ||||																																
Owyhee																																0.00
San Jacinto																																0.00
Tuscarora (near)																																0.00
Humboldt Basin.																																
Arthur																																0.00
Austin																																0.00
Battle Mountain																																0.00
Beowawe																																0.00
Clover Valley																																0.00
Elko																																0.00
Eureka																																
Golconda																																0.00
Hylton											T.																					T.
Imlay																																0.00
Lamoille ||||																																0.00
Lovelock																																0.00
Metropolis ||||																																0.00
North Fork																																0.00
Paradise Valley																																
Potts																																0.00
Tecoma																																0.00
Winnemucca***																																0.00
Truckee Basin.																																
Marlette Lake ||||																																0.00
Reno ***											T.																					T.
Tahoe, Cal. ||||																																0.00
Carson Basin.																																
Fallon ||||																																0.00
Lahontan																																0.00
Minden																																0.00
Markleeville, Cal																																0.00
Walker Basin.																																
Mina																																0.00
Smith																																0.00
Thorne																																0.00
Yerington																																0.00
Shields Ranch, Cal																																0.00
Colorado Basin.																																
Indian Springs ||||																																0.00
Las Vegas																																0.00
Logandale																																0.00
Minor Basins.																																
Beatty																																0.00
Duck Flat																																0.00
Gerlach																																0.00
Goldfield																																0.00
Jungo																																0.00
Lemmons Valley													T.																			T
McDermitt																																
McGill							T.																									T.
Millett																																0.00
Oasis Ranch																																
Pahrump																																
Quinn River Ranch																																0.00
Rebel Creek																																0.00
Sand Pass																																0.00
Searchlight																																0.00
Sharp																																0.00
Sulphur																																0.00
Tonopah***						T.																										T
Vya ||||																																0.00

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

Daily evaporation (inches) and wind movement (miles) for June, 1919.

(See temperature and precipitation data in climatological tables, pages 44 to 46.)

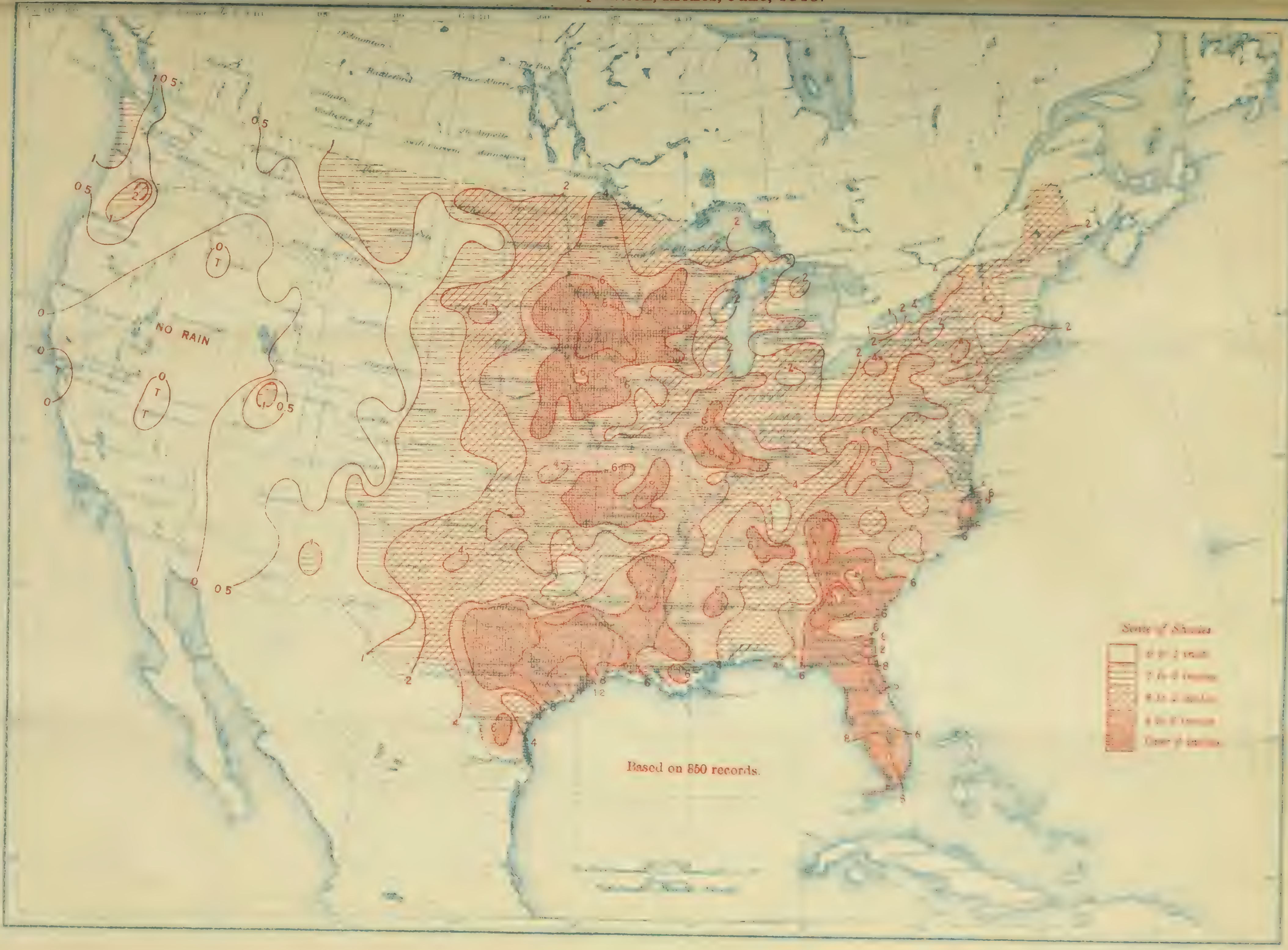
Stations.	Data.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Monthly.
Indian Springs*	Evaporation																	.365	.420	.510	.450	.528	.335	.463	.550	.605	.557	.425	.598	.635	.612		
	Wind movement																	21	34	31	43	65	48	40	76	42	69	82	80	66	87		
Lamoille*	Evaporation	.197	.221	.245	.299	.294	.315	.238	.221	.263	.236	.232	.189	.183	.288	.266	.343	.325	.253	.361	.444	.364	.371	.370	.352	.417	.436	.417	.398	.371	.349		9.256
	Wind movement	44	57	46	53	64	75	50	46	51	51	42	49	44	62	44	60	62	39	62	67	62	69	68	57	71	77	67	71	60	61		1,731
Marlette Lake..*	Evaporation																																
	Wind movement																																
Tahoe, Cal. ** †	Evaporation	.200	.160	.100	.090	.100	.230	.190	.180	.140	.210	.330	.070	.200	.340	.120	.170	.150	.040	.250	.150	.280	.180	.130	.130	.140	.130	.360	.190	.180	.260		5.400
	Wind movement	40	30	94	80	31	108	107	113	4	108	109	109	78	92	52	8	81	126	56	60	104	117	106	12	78	27	80	44	74	53		2,181

* Observations taken at 7 a. m.; ** at 8 a. m. ‡ Included in next following entry. † Readings made in standard pan exposed on float in lake.

Daily temperatures for June, 1919.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Owyhee	Maximum..	61	75	70	75	80	79	70	73	71	71	63	66	73	76	78	72	75	77	84	88	86	85	88	90	92	92	85	83	78	82	....	77.9
	Minimum..	27	27	38	36	39	45	39	33	41	34	35	33	37	34	42	37	37	43	52	53	45	46	44	52	47	53	51	47	52	44	....	41.4
San Jacinto	Maximum..	61	76	75	77	80	80	67	75	74	77	63	68	78	80	84	85	76	86	90	90	89	88	87	91	92	90	88	87	85	84	....	80.8
	Minimum..	25	29	28	44	43	40	29	42	47	43	35	40	37	41	52	54	41	53	51	41	52	50	48	50	48	45	47	43	47	47	....	43.1
Humboldt Basin.																																	
Austin	Maximum..	65	78	78	78	80	82	85	83	80	78	66	69	72	75	79	80	....	....	....	....	89	89	90	92	90	....	....	....	....	....	....	79.9
	Minimum..	30	40	47	40	42	41	42	44	43	43	40	42	42	40	41	36	....	....	....	....	41	44	50	57	55	....	....	....	....	....	....	42.9
Battle Mountain	Maximum..	80	79	84	84	90	86	89	83	80	81	76	82	85	85	87	95	98	99	99	100	100	100	100	101	101	102	102	95	92	90	....	90.8
	Minimum..	35	34	35	42	41	50	53	41	43	47	35	43	41	40	42	48	49	50	48	50	48	50	50	52	52	53	53	52	53	44	....	45.8
Clover Valley	Maximum..	76	78	74	75	76	80	75	73	73	76	79	86	84	80	83	75	77	85	87	89	89	86	87	88	89	91	89	87	88	90	....	82.2
	Minimum..	28	56	48	34	37	40	46	33	45	47	48	50	48	36	36	40	40	47	51	57	56	53	54	55	51	50	50	50	49	48	...	46.1
Elko	Maximum..	73	77	81	83	85	84	85	85	86	83	82	83	82	85	84	81	83	87	90	93	95	97	97	98	99	100	98	95	93	94	....	87.9
	Minimum..	27	28	46	34	36	35	30	33	37	35	29	30	35	37	40	39	41	42	42	43	43	43	45	47	46	46	48	47	47	48	....	39.3
Eureka	Maximum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Imlay	Maximum..	68	89	80	81	90	87	76	84	79	72	69	79	80	80	77	79	85	71	96	94	92	91	96	99	91	96	96	94	97	91	....	85.3
	Minimum..	41	40	42	43	60	50	40	50	47	45	44	47	41	46	50	40	49	40	59	54	50	54	47	47	50	52	50	51	50	55	....	47.8
Lamoille	Maximum..	60	72	70	73	76	78	70	72	71	76	64	65	75	79	81	74	78	84	88	88	89	87	88	90	89	89	90	88	80	84	....	78.9
	Minimum..	22	30	40	38	41	45	39	38	40	40	33	33	39	40	41	40	42	40	47	53	52	51	51	46	46	56	54	53	50	48	....	42.9
Lovelock	Maximum..	74	84	83	84	88	89	88	83	82	80	71	72	79	80	79	77	84	92	93	93	92	91	95	97	95	95	94	91	88	86	....	86.0
	Minimum..	31	37	49	48	38	45	52	39	40	40	40	35	36	36	46	39	39	48	44	45	45	49	47	48	48	50	46	44	40	40	....	42.8
Metropolis	Maximum..	63	75	75	77	80	82	83	79	76	79	77	74	92	85	85	81	91	95	95	92	104	106	94	95	94	91	100	99	99	100	....	87.3
	Minimum..	22	34	45	38	32	40	42	35	28	41	32	31	44	35	39	35	48	60	60	46	49	45	46	52	45	48	48	45	42	40	...	41.6
Paradise Valley	Maximum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Potts	Maximum..	62	75	72	77	81	80	75	78	79	75	70	75	75	80	78	80	82	80	82	89	85	88	91	90	90	88	90	92	91	90	....	81.3
	Minimum..	25	30	40	32	36	41	40	32	38	36	36	37	27	29	36	36	31	36	41	40	41	39	39	43	40	40	41	48	48	42	....	37.2
Tecoma	Maximum..	72	77	80	83	86	90	89	90	81	86	80	80	81	83	89	90	90	91	96	98	99	100	99	98	100	100	100	98	99	100	....	90.2
	Minimum..	34	36	40	39	37	38	45	44	34	39	41	39	40	45	38	37	46	40	44	46	48	45	46	47	46	44	48	49	46	48	....	42.3
Winnemucca	Maximum..	68	83	78	80	87	85	75	80	75	70	69	71	76	78	75	75	81	89	92	91	87	88	93	94	93	91	88	87	81	85	....	82.2
	Minimum..	34	39	51	44	40	55	47	41	45	44	39	35	38	38	48	46	41	53	48	48	49	51	50	50	49	58	54	55	49	45	....	46.1
Truckee Basin.																																	
Marlette Lake	Maximum..	60	70	68	74	73	66	65	68	59	52	55	58	55	62	60	56	63	76	71	69	67	70	76	73	73	72	74	67	68	66	....	66.2
	Minimum..	28	35	40	38	43	45	43	36	46	35	24	31	30	31	37	36	31	39	43	42	39	42	38	49	45	42	44	42	37	38	....	38.8
Reno	Maximum..	73	85	81	83	86	82	80	79	74	66	68	68	70	77	68	71	82	90	87	84	83	82	92	91	91	85	85	81	77	83	....	80.1
	Minimum..	33	41	49	42	50	49	46	45	47	44	36	43	44	37	46	39	40	47	52	46	48	49	47	52	52	52	51	50	47	44	....	45.6
Tahoe, Cal	Maximum..	69	77	75	75	78	74	72	71	68	59	61	62	62	68	62	62	74	81	79	76	75	75	80	80	80	78	77	75	72	75	....	72.4
	Minimum..	28	32	37	35	39	35	33	36	34	35	26	30	28	28	32	32	30	36	36	36	40	38	35	38	39	40	39	37	34	34	....	34.4
Carson Basin.																																	
Fallon §§	Maximum..	75	86	83	85	92	90	82	86	83	80	72	74	81	81	78	79	86	93	95	95	91	92	95	97	96	95	94	91	88	89	....	86.8
	Minimum..	31	38	54	41	44	52	46	43	46	44	39	41	41	35	44	37	44	46	49	45	45	45	51	54	52	54	50	48	47	44	....	45.0
Lahontan	Maximum..	75	85	84	85	90	85	81	84	80	78	70	75	79	81	77	78	84	90	91	90	88	88	91	93	91	91	90	87	79	85	....	84.2
	Minimum..	41	52	59	56	55	60	58	52	54	52	48	48	49	45	54	47	54	56	62	57	57	60	61	62	64	61	60	59	52	55	....	55.0
Minden	Maximum..	76	87	85	81	86	88	85	....	82	78	78	74	75	78	....	68	89	90	95	88	86	86	91	93	92	92	90	86	86	88	....	84.9
	Minimum..	33	....	42	38	48	45	43	....	38	52	31	34	36	32	....	34	33	34	44	46	47	43	41	42	47	46	48	47	....	40	....	40.9
Walker Basin.																																	
Mina	Maximum..	77	85	90	87	91	93	90	90	87	90	89	90	90	92	89	91	93	94	93	94	95	96	95	96	97	98	99	98	97	96	....	92.1
	Minimum..	37	40	47	50	58	46	42	48	54	56	53	56	52	47	54	52	60	59	70	60	47	49	43	49	54	58	50	....	....	....	....	51.5
Thorne	Maximum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Yerington	Maximum..	72	88	87	90	92	91	82	89	87	79	73	76	78	84	82	80	86	95	96	95	94	94	95	97	96	96	95	91	89	90	....	88.0
	Minimum..	34	35	39	45	46	56	43	42	50	51	34	38	37	34	40	35	38	49	48	42	45	44	48	51	49	47	45	47	49	45	....	43.5
Colorado Basin.																																	
Indian Springs	Maximum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	97	92	98	102	103	104	102	103	104	102	102	105	104	106	108	....	....	102.1
	Minimum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	45	49	52	54	57	51	55	58	57	63	63	64	64	62	63	....	57.1
Las Vegas	Maximum..	80	86	94	97	102	104	97	92	88	90	91	92	93	97	97	99	99	102	106	106	106	106	108	108	107	106	108	106	103	105	....	99.2
	Minimum..	41	42	48	59	59	57	69	64	60	58	54	50	50	52	51	53	52	52	55	58	62	59	61	58	61	68	68	69	74	72	....	57.9
Logandale	Maximum..	85	90	97	101	104	102	102	101	100	98	94	97	95	100	101	99	101	106	109	108	108	110	110	111	109	110	112	110	109	105	....	102.8
	Minimum..	50	58	48	53	59	55	53	59	55	58	57	56	48	50	51	54	52	50	54	57	62	58	57	59	61	62	64	64	64	64	....	56.4
Minor Basins.																																	
Beatty	Maximum..	81	79	95	94	99	96	97	92	96	94	86	84	89	92	95	94	89	100	101	102	102	99	101	102	100	102	102	101	100	101	....	95.5
	Minimum..	41	41	48	58	58	48	54	61	51	55	48	43	41	45	42	40	45	50	52	48	47	47	56	52	53	49	53	50	50	46	....	49.1
Gerlach	Maximum..	75	88	87	83	91	91	87	86	82	77	75	75	77	80	80	75	83	93	95	93	88	89	94	93	95	94	92	90	86	86	....	86.0
	Minimum..	32	37	49	43	40	47	51	41	45	42	35	42	47	30	42	35	41	45	55	47	46	49	-45	-47	53	53	53	49	-47	50	....	44.6
Goldfield	Maximum..	70	80	82	84	87	85	80	80	84	80	70	74	70	80	81	80	85	89	90	92	90	90	91	93	91	91	92	90	89	88	....	84.3
	Minimum..	36	41	52	47	53	53	50	45	53	48	46	40	42	43	47	43	45	51	50	54	54	51	55	55	55	54	57	60	52	48	....	49.3
McDermitt	Maximum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
McGill	Maximum..	74	75	78	80	83	83	78	82	80	81	79	77	79	84	84	82	85	90	91	91	90	91	92	93	92	92	91	91	89	89	....	84.9
	Minimum..	35	36	42	46	45	53	47	43	44	52	43	40	44	45	53	52	47	48	52	60	60	57	50	55	51	61	58	55	56	55	....	49.5
Millett	Maximum..	67	78	79	80	83	82	79	79	80	80	71	70	78	81	81	76	93	88	90	90	89	88	89	90	90	89	91	91	86	86	....	83.1
	Minimum..	25	32	45	35	39	45	43	37	46	38	46	30	33	38	46	43	37	40	38	44	41	40	41	43	40	45	48	47	48	45	....	40.6
Rebel Creek	Maximum..	69	75	74	72	76	76	70	69	68	67	60	67	68	67	71	72	68	74	80	93	93	85	88	92	93	90	84	84	86	82	....	77.1
	Minimum..	34	43	50	48	45	54	47	42	45	39	42	39	42	37	42	44	43	49	53	57	57	55	56	58	57	59	57	52	53	50	....	48.3
Sand Pass	Maximum..	76	90	84	85	90	87	81	83	78	69	70	73	73	78	72	74	83	93	90	87	86	85	94	92	91	90	91	86	81	83	....	83.2
	Minimum..	37	43	54	51	50	55	50	44	47	48	40	45	47	36	47	40	41	51	56	50	48	48	48	59	79	....	....	50	46	44	....	48.4
Searchlight	Maximum..	75	82	92	93	94	94	91	92	91	89	85	84	88	91	91	91	93	97	99	100	101	104	104	103	102	104	102	101	100	95	....	94.3
	Minimum..	61	57	61	73	70	65	64	62	65	61	60	55	58	65	65	62	65	70	69	70	73	75	77	77	69	78	73	74	73	70	....	67.2
Sharp	Maximum..	75	78	80	78	80	78	80	79	81	79	82	83	80	78	79	81	82	80	83	82	84	81	85	87	84	86	87	89	87	89	....	81.9
	Minimum..	32	36	38	40	42	43	44	48	42	40	44	43	40	41	44	42	38	40	42	41	43	39	43	45	46	48	46	48	45	48	....	42.2
Sulphur	Maximum..	73	87	87	85	90	89	86	83	83	78	71	75	76	78	78	75	84	93	94	93	90	89	94	96	95	94	95	89	87	84	....	85.7
	Minimum..	27	29	32	38	42	45	43	37	39	42	35	39	45	38	40	40	36	45	48	50	47	51	46	49	51	55	56	51	48	47	...	43.0
Tonopah	Maximum..	65	74	76	76	81	81	77	75	78	75	62	68	73	76	76	72	79	85	86	86	85	84	87	87	87	86	88	86	84	83	....	79.3
	Minimum..	39	49	58	55	60	60	57	52	51	50	41	46	46	47	54	45	49	59	60	60	61	62	63	64	64	64	61	63	58	56	....	55.1
Vya	Maximum..	71	80	78	80	81	75	68	72	66	55	62	66	72	70	69	65	76	85	85	79	80	79	86	88	84	75	78	73	79	78	....	75.0
	Minimum..	25	30	35	37	35	40	32	35	38	27	39	36	40	35	31	27	36	34	40	30	43	32	36	45	35	41	35	37	34	42	....	35.4

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.



Based on 850 records.

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U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

NEVADA SECTION

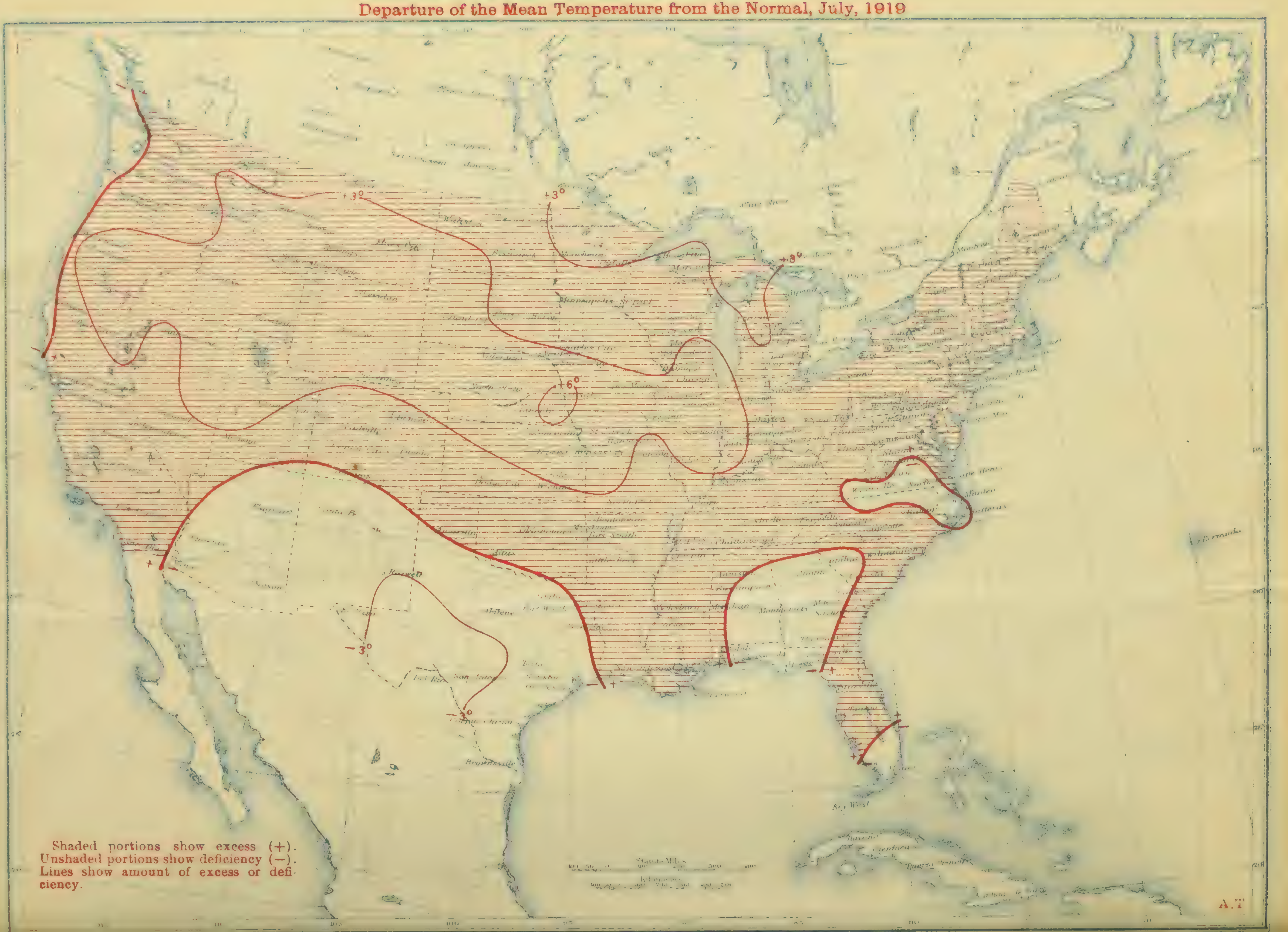
JULY, 1919

BY
HENRY F. ALPS
METEOROLOGIST

1862 1889

RENO, NEV.
WEATHER BUREAU OFFICE
AUGUST 21, 1919.

Departure of the Mean Temperature from the Normal, July, 1919



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALPS, Meteorologist.

VOL. XXXIV. RENO, NEVADA, JULY, 1919. No. 7.

GENERAL SUMMARY.

The month was warm and dry. There has been only one July in the past 31 years with a higher monthly mean temperature, and that was in 1889 when the average was 0.9° higher than that for July of this year. The temperature was considerably above normal in all sections of the State. The only periods of cool weather were during the first and last two or three days of the month when the night temperatures were materially lower and the day temperatures were not so high. The warmest period was from the 7th to the 23d. Temperatures above 90° were recorded at all stations with the exception of Marlette Lake where 84° was the highest. Twenty-three stations reported temperatures of 100° or higher.

The drought continued over the greater part of the State, although it was not so pronounced as in June. It was driest in the northwest two-thirds of the State, and the northwest one-third received practically no moisture. Moderate to heavy showers fell in the extreme southeast portion, where crops and ranges were reported in good condition. Showers in other eastern districts were beneficial to ranges, but entirely too light to supply the needed moisture.

The dry weather was favorable for haying and harvesting, but unfavorable for crops where the early melting of the snow and long drought caused a serious deficiency in the water supply. Grain and hay crops suffered most in the northeastern part of the State, and least in the extreme south where the rainfall was moderately heavy and the extreme west where the storage water was generally sufficient for irrigation. Potatoes suffered much from the scarcity of irrigation water. The fruit yields were reported good. Ranges were dry at the close of the month, and cattle were moving from the mountain ranges to the valleys in search of water.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 36 stations, was 75.2°. The mean for the 22 stations having ten or more years' record was 2.7° above normal. The highest recorded was 113°, at Logandale on the 10th; the lowest was 35°, at San Jacinto on the 19th. The greatest daily range was 61°, at Elko on the 4th and 18th. The highest monthly mean was 86.3°, at Las Vegas; the lowest was 61.8°, at Marlette Lake.

PRECIPITATION.

The average for 47 stations reporting was 0.28 inch. For the 27 stations having ten or more years' record, the mean was 0.16 inch below the normal. The average amount at 3 stations in the Columbia Basin was 0.25 inch; at 16 stations in the Humboldt Basin, 0.08 inch; at 2 stations in the Truckee Basin, 0.02 inch; at 3 stations in the Carson Basin, 0.08 inch; at 4 stations in the Walker Basin, 0.07 inch; at 3 stations in the Colorado Basin, 1.38 inches; at 16 stations in the minor basins, 0.40 inch. The greatest monthly fall was 1.01 inches at Searchlight; there was none at 17 stations. The average number of days with precipitation was 1.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric pressure (sea level).			Mean relative humidity.		Wind.			
	Mean.	Highest.	Lowest.	5 a. m.	5 p. m.	Average hourly velocity.	Max. velocity.		
							Miles per hour.	Direction.	Date.
Reno	29.86	30.09	29.66	54	17	7.3	41	se.	14
Winnemucca	29.89	30.14	29.61	40	14	6.6		sw.	9
Tonopah	29.86	30.08	29.67	34	17	8.1	32	e.	15

SUNSHINE AND CLOUDINESS.

At Reno, 94 per cent of the possible sunshine was recorded; at Winnemucca, 97 per cent; at Tonopah, 89 per cent. For the State, the average number of clear days was 23; partly cloudy, 7; cloudy, 1.

MISCELLANEOUS PHENOMENA.

(Dates of.)

Brisk winds.—During entire month.

Thunderstorms.—From 7th to 24th, inclusive, and on the 28th and 29th.

Hail.—12, 21.

COMPARATIVE DATA FOR JULY.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	76.1	119	36	0.17	.....	1	29	1	1	s.
1890	74.0	118	28	0.15	0	1	22	7	2	sw.
1891	70.4	102	26	0.53	0	3	17	8	6	s.
1892	70.6	115	30	0.67	0	1	23	5	3	w.
1893	70.3	110	24	0.40	0	2	26	4	1	sw.
1894	71.7	108	32	0.75	0	5	17	9	5	s.
1895	70.2	112	28	0.65	0	1	25	4	2	w.
1896	72.7	112	33	0.79	0	2	14	9	8	w.
1897	69.4	116	25	0.28	0	1	20	7	4	sw.
1898	73.5	114	30	0.12	0	1	23	6	2	w.
1899	72.6	106	34	0.14	0	2	22	5	4	w.
1900	70.9	113	33	0.37	0	1	23	4	4	w.
1901	70.8	109	31	0.31	0	2	21	6	4	sw.
1902	67.9	116	25	0.44	0.5	2	21	5	5	sw.
1903	65.4	111	26	0.01	0	1	27	3	1	sw.
1904	68.7	110	30	0.51	0	3	19	8	4	sw.
1905	72.1	109	31	0.03	0	1	24	5	2	sw.
1906	74.7	114	32	0.68	0	4	17	9	5	w.
1907	69.2	113	27	0.06	0	1	22	6	3	s.
1908	74.3	116	32	0.42	0	3	18	10	3	w.
1909	69.5	112	23	0.14	0	2	23	6	2	s.
1910	72.9	110	28	0.65	0	3	18	8	5	w.
1911	70.9	109	30	0.31	0	3	17	10	4	w.
1912	68.6	113	25	0.67	0	4	17	7	7	w.
1913	69.1	113	18	1.30	0	6	16	9	6	w.
1914	72.4	118	32	0.52	0	3	16	10	5	w.
1915	70.8	110	31	0.38	0	2	19	8	4	w.
1916	71.0	113	30	0.31	0	2	25	4	2	sw.
1917	74.5	111	31	0.46	0	2	21	7	3	sw.
1918	72.9	112	21	0.33	0	2	21	7	3	sw.
1919	75.2	113	35	0.28	0	1	23	7	1	sw.
Entire period	71.4	119	18	0.39	T.	2	21	7	3	w.

LATE REPORTS.

June, 1919.—Gold Creek, no precipitation; number of clear days 30.

McDermitt, mean temperature, 61.2°; highest, 92° on the 30th; lowest, 34° on the 1st, 2d, 12th, 16th, 28th; no precipitation.

Climatological data for July, 1919.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days.				Prevailing direction of the wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	....	....	....	....	....	....	....	....	6	0.20	....	0.18	0	2	24	7	0	w.	U. S. Forest Service.
Mahoney Ran. Sta**	do	6,200	4	....	....	....	....	....	....	....	4	....	....	....	....	....	....	....	....	....	Do.
Owyhee	do	5,400	8	....	....	....	....	....	....	....	8	....	....	....	....	....	....	....	....	....	E. A. Schwab.
San Jacinto	do	5,200	14	68.2^{a}	+2.8	96	†9	35^{b}	19	54^{b}	14	0.30	−0.19	0.22	0	2	21	10	0	n.	Utah Construction Co.
Tuscarora (near)	do	....	....	....	....	....	....	....	....	....	11	0.26	....	0.26	0	1	27	2	2	w.	D. B. Williams.
Humboldt Basin.																					
Arthur	Elko	6,500	....	....	....	....	....	....	....	....	9	0.19	−0.60	0.19	0	1	30	1	0	....	Isaac Woodhouse.
Austin	Lander	6,594	30	76.2^{f}	+7.4	96^{f}	3	41^{f}	18	51^{f}	30	0.00	−0.45	0.00	0	0	29	2	0	e.	Forest Service.
Battle Mountain	do	4,513	48	76.4	+1.5	104	†9	42	3	55	50	0.00	−0.18	0.00	0	0	21	7	3	w.	Southern Pacific Co.
Beowawe	Eureka	4,695	48	74.6	−0.9	104	16	41	19	57	50	0.00	−0.25	0.00	0	0	17	14	0	nw.	Do.
Clover Valley**	Elko	6,000	18	71.4^{d}	+4.9	95	9	48^{c}	2	43^{g}	26	0.17	−0.27	0.17	0	1	15	15	1	....	J. D. Weeks.
Elko	do	5,063	48	72.6	+2.4	104	8	38	18	61	49	0.00	−0.58	0.00	0	0	24	6	1	sw.	Western Pacific Co.
Eureka	Eureka	6,837	21	....	....	....	....	....	....	....	23	....	....	....	....	....	....	....	....	....	....
Golconda	Humboldt	4,392	40	77.9	+3.4	100	†4	50	†4	50	42	0.00	−0.20	0.00	0	0	24	5	2	w.	Southern Pacific Co.
Hylton **	Elko	7,081	....	....	....	....	....	....	....	....	9	0.37	....	0.37	0	1	30	1	0	sw.	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	6	78.2	+2.4	101	†9	50^{a}	7	46^{a}	6	0.00	−0.16	0.00	0	0	24^{b}	2^{b}	3^{b}	sw.	Southern Pacific Co.
Lamoille	Elko	6,100	4	71.3	....	94^{a}	9	45	27	46^{a}	4	0.28	−0.24	0.21	0	2	25	3	3	se.	Elko-Lamoille Power Co.
Lovelock	Pershing	3,977	25	73.8	−1.1	101	9	43	30	51	23	0.00	−0.21	0.00	0	0	27	3	1	s.	Harold W. B. Baker.
Metropolis §	Elko	5,661	6	72.4	....	109	12	39	18	69	10	0.19	−0.06	0.15	0	2	24	7	0	w.	L. F. Hatch.
North Fork	do	6,500	....	....	....	....	....	....	....	....	10	T.	....	T.	0	0	20	10	1	s.	Roy C. Pratt.
Paradise Valley	Humboldt	4,500	6	....	....	....	....	....	....	....	10	....	....	....	....	....	....	....	....	....	F. C. Buckingham.
Potts	Nye	6,002	26	70.0	+0.4	98	8	40	†2	54	28	0.00	−0.65	0.00	0	0	11	18	2	s.	Miss Irene Potts.
Tecoma	Elko	4,812	41	74.3	+2.0	105	10	44	†2	56	43	0.00	−0.19	0.00	0	0	14	16	1	w.	Southern Pacific Co.
Winnemucca	Humboldt	4,344	42	74.0	+2.4	100	9	43	1	48	50	T.	−0.17	T.	0	0	27	4	0	sw.	U. S. Weather Bureau.
Truckee Basin.																					
Marlette Lake**	Washoe	7,900	4	61.8	....	84	20	38	31	38	2	0.05	....	0.04	0	2	19^{g}	3^{g}	0^{g}	sw.	V. & G. H. Water Co.
Reno	do	4,532	32	73.2	+5.7	99	20	45	31	42	6	T.	−0.14	T.	0	0	29	2	0	w.	U. S. Weather Bureau.
Tahoe, Cal.		6,230	11	63.2	....	91^{a}	20	35	30	45^{a}	32	0.00	....	0.00	0	0	22	7	2	w.	Arthur L. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	25	76.1	+2.6	103	†16	45	†2	48	25	0.09	−0.09	0.09	0	1	28	2	1	nw.	U.S. Experiment Station.
Lahontan **	do	4,200	7	78.8	....	97	†8	55	2	37	9	T.	....	T.	0	0	25	6	0	ne.	U.S. Reclamat'n Service.
Minden	Douglas	4,730	28	71.4^{b}	+3.8	100^{a}	7	37^{c}	31	53^{c}	29	0.15	−0.18	0.15	0	1	17^{b}	7^{b}	5^{b}	nw.	Forest Service.
Markleeville, Cal.		5,525	....	....	....	....	....	....	....	....	10	0.20	....	0.13	0	2	25	6	0	s.	Mrs. Mary Thornburg.
Walker Basin.																					
Mina §	Mineral	4,350	12	....	....	104	15	....	....	....	23	0.00	−0.31	0.00	0	0	....	....	....	....	Southern Pacific Co.
Smith	Lyon	4,800	....	....	....	....	....	....	....	....	11	0.22	....	0.22	0	1	17	14	0	sw.	C. M. Carter.
Thorne §	Mineral	4,200	6	....	....	....	....	....	....	....	6	0.05	−0.12	0.05	0	1	26	4	1	nw.	Southern Pacific Co.
Yerington §	Lyon	4,375	10	74.1^{e}	+2.6	100^{e}	†8	41^{e}	1	54^{e}	10	T.	−0.14	T.	0	0	27	4	0	n.	W. H. Churchyard.
Shields Ranch, Cal. **		5,300	....	....	....	....	....	....	....	....	10	0.90	....	0.90	0	1	28	3	0	....	Bruce H. Chichester.
Colorado Basin.																					
Indian Springs §**	Clark	3,136	5	83.0	....	105^{a}	†9	55	30	43^{a}	5	0.45	....	0.25	0	2	....	....	....	se.	Ira MacFarland.
Las Vegas	do	2,033	17	86.3	+4.6	109	30	61	31	44	17	1.25	+0.88	1.10	0	3	16	13	2	sw.	C. P. Squires.
Logandale §	do	1,355	12	88.2	+1.1	113	10	65	†3	45	20	2.43	+2.15	0.94	0	6	16	14	1	....	Bert Mills.
Minor Basins.																					
Beatty	Nye	3,309	3	81.8	....	109	†15	50	1	52	3	0.62	....	0.52	0	2	22	8	1	s.	E. E. Palmer.
Duck Flat **	Washoe	4,725	....	....	....	....	....	....	....	....	5	0.00	....	0.00	0	0	30	1	0	w.	C. T. Smith.
Gerlach	do	3,931	7	75.0	....	108	24	39	30	58	7	0.00	....	0.00	0	0	24	7	0	sw.	Western Pacific Co.
Goldfield	Esmeralda	5,700	12	76.2	+3.0	98	†11	51	30	39	14	0.09	−0.67	0.09	0	1	30	1	0	s.	R. G. Jones.
Jungo	Humboldt	4,165	....	....	....	....	....	....	....	....	6	0.00	....	0.00	0	0	31	0	0	w.	Western Pacific Co.
Lemons Valley**	Washoe	5,000	....	....	....	....	....	....	....	....	5	0.10	....	0.10	0	1	28	3	0	w.	W. J. Webster.
McDermitt	Humboldt	4,700	8	74.2	+0.5	104	9	40	3	54	32	0.00	−0.30	0.00	0	0	....	....	....	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	9	74.3	+6.1	100	9	48	20	45	9	0.33	−0.29	0.13	0	7	13	13	5	n.	R. E. Middagh.
Millett	Nye	5,040	11	70.2	+2.0	95	8	41	30	*49	12	T.	−0.70	T.	0	0	18	10	3	s.	Fred J. Jones.
Pahrump	Nye	2,608	5	....	....	....	....	....	....	....	5	....	....	....	....	....	....	....	....	....	F. M. Buol.
Quinn Riv. Ranch **††	Humboldt	4,850	17	76.0^{f}	+7.2	107^{c}	14	38^{b}	27	58^{b}	18	0.00	−0.18	0.00	0	0	19^{d}	4^{d}	4^{d}	s.	F. M. Payne.
Rebel Creek	do	4,300	7	74.1	....	99	16	46	2	44	8	0.00	....	0.00	0	0	27	4	0	sw.	Fred Whitaker.
Sand Pass **	Washoe	4,198	6	75.6	....	102	21	45	†1	47	6	0.00	....	0.00	0	0	27	3	1	w.	R. R. Mott.
Searchlight	Clark	3,445	6	83.0	....	104	9	62	18	29	6	4.01	....	1.50	0	9	13	13	5	s.	C. L. Aug. Mahn.
Sharp	Nye	6,200	5	73.6	....	93	†13	47	31	41	5	0.84	....	0.75	0	2	28	0	3	se.	Pauline F. Youngs.
Sulphur	Pershing	4,044	6	78.1	....	104	†9	47	†1	50	6	0.00	....	0.00	0	0	26	5	0	sw.	Western Pacific Co.
Tonopah	Nye	6,090	14	75.6	....	91	8	57	2	27	14	0.34	....	0.14	0	4	27	4	0	se.	U. S. Weather Bureau.
Vya	Washoe	5,500	....	70.7	....	97	†9	37	2	57	6	T.	....	T.	0	0	....	....	....	....	L. A. Mariette.
For the State				75.2	+2.7	113	10	35	19	61	....	0.28	−0.16	1.50	0	1	23	7	1	sw.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Mahoney Ranger Station, Jarbridge; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of Lahontan, Hazen; of Shields Ranch, Coleville, Cal.; of Duck Flat, Sunkist; of Oasis Ranch, Oasis, Cal.; of Lemmons Valley, Reno; of Quinn River Ranch, Amos; of Sand Pass, Flanigan.

Reference letters, ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing, for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for July, 1919.

Stations.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia Basin.																																
Gold Creek (near)												T		T		T				T	.18	.02					T		T			0.20
Mahoney Ranger Station ‖																																
Owyhee																																
San Jacinto																						.12		.08								0.20
Tuscarora (near)																						.26										0.26
Humboldt Basin.																																
Arthur																											.19					0.19
Austin																																0.00
Battle Mountain																																0.00
Beowawe																																0.00
Clover Valley																T												.17				0.17
Elko																																0.00
Eureka																																
Golconda																																0.00
Hylton																												.57				0.57
Imlay																																0.00
Lamoille ‖											.21												T.	T.	T				.07			0.28
Lovelock																																0.00
Metropolis ‖										T.		T.			T							.15					.04					0.19
North Fork																			T.													T
Paradise Valley																																
Potts																																0.00
Tecoma																																0.00
Winnemucca***																							T									T.
Truckee Basin.																																
Marlette Lake ‖										.01					.04																	0.05
Reno ***									T.					T.																		T
Tahoe, Cal. ‖																																0.00
Carson Basin.																																
Fallon ‖										.09												T.										0.09
Lahontan									T.												T.	T.										T
Minden															.15																	0.15
Markleeville, Cal								T.	.13				.07	T.																		0.20
Walker Basin.																																
Mina																																0.00
Smith									T.												T.	.22										0.22
Thorne										.05																						0.05
Yerington									T.					T.																		T.
Shields Ranch, Cal									T.						.90																	0.90
Colorado Basin.																																
Indian Springs ‖									.25								.20															0.45
Las Vegas										T.					.12			1.10										.03				1.25
Logandale											.38	.40	.09					.35	.27									.94				2.43
Minor Basins.																																
Beatty								.10										.52														0.62
Duck Flat																																0.00
Gerlach																																0.00
Goldfield																					.09											0.09
Jungo																																0.00
Lemmons Valley									.10					T.																		0.10
McDermitt																																0.00
McGill										.13	.09	.03										.01	.02	.04				.01				0.33
Millett														T.																		T.
Pahrump																																
Quinn River Ranch																																0.00
Rebel Creek																																0.00
Sand Pass																																0.00
Searchlight							.15			.48		1.50				.04		1.18	.51	.02		.03						.10				4.01
Sharp											.09																.75					0.84
Sulphur																																0.00
Tonopah***									.13	.08	.06		T.	T.					.07	T.	T.	T.										0.34
Vya ‖																			T.													T.

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.
‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

Daily evaporation (inches) and wind movement (miles) for July, 1919.

(See temperature and precipitation data in climatological tables, pages 52 to 54.)

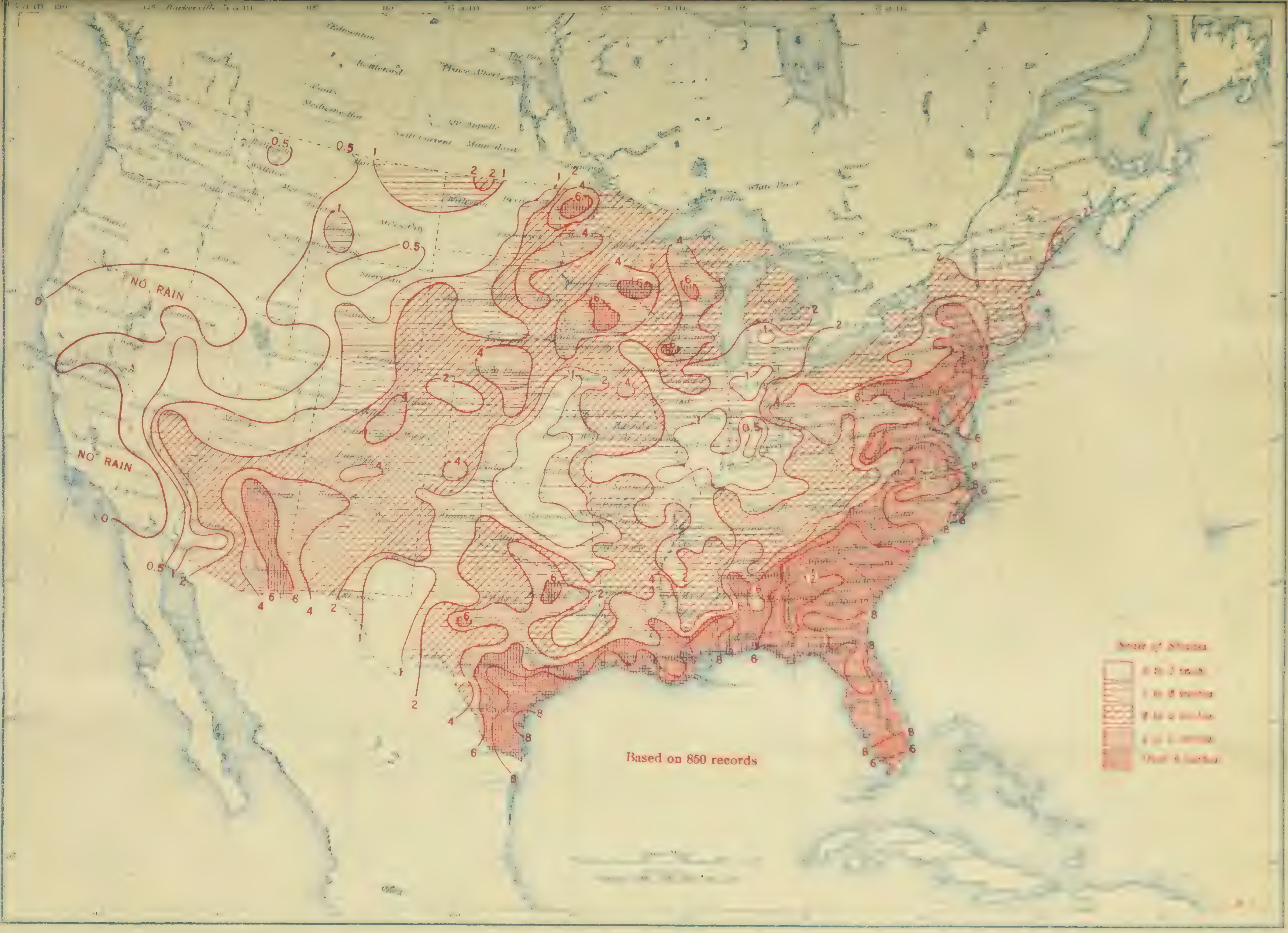
Stations.	Data.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Monthly.
Indian Springs*	Evaporation	.528	.500	.564	.532	.463	.493	.432	.450	.190	.400	.271	.250	.253	.352	.329	.441	.622	.231	.364	.266	.265	.335	.092	.214	.330	.321	.245	.226	.185	.437	.373	10.854
	Wind movement	62	72	48	64	83	30	32	43	43	62	59	28	44	34	39	49	70	32	27	16	46	17	37	30	42	50	67	43	31	30	22	1,352
Lamoille*	Evaporation	.361	.378	.348	.359	.443	.383	.367	.350	.371	.343	.311	.334	.290	.330	.335	.286	.349	.348	.353	.376	.374	.308	.260	.386	.377	.395	.324	.351	.133	.338	.372	10.633
	Wind movement	59	72	67	59	68	74	62	59	58	55	83	64	52	40	71	73	56	55	61	64	61	46	63	67	75	65	42	54	60	67	65	1,917
Marlette Lake.*	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	.266	.416	.157	.321	.396	.343	.343	.118	.295	.235	.338	.340	.337	.408	.320	.316	.327	.473	.237	......
	Wind movement	....	....	....	....	....	....	....	....	....	....	....	....	115	75	86	69	40	128	72	73	76	50	79	79	91	144	20	121	109	99	86	......
Tahoe, Cal. ** †	Evaporation	.130	.250	.210	.070	.220	.270	.190	.280	.090	.120	.240	.200	.300	.230	.250	.160	.230	.290	.180	.110	.280	.150	.250	.280	.330	.270	.270	.310	.390	.110	.240	6.900
	Wind movement	74	110	112	34	76	108	107	4	107	28	19	180	37	59	70	47	107	36	28	47	113	18	9	77	88	124	122	3	94	123	108	2,269

* Observations taken at 7 a. m.; ** at 8 a. m. ‡ Included in next following entry. † Readings made in standard pan exposed on float in lake.

Daily temperatures for July, 1919.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Owyhee	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
San Jacinto	Maximum	86	85	84	92	91	85	83	93	96	94	90	87	90	92	92	96	90	79	86	88	94	91	90	91	89	85	86	86	88	90	89	89.0
	Minimum	49	44	44	52	51	44	42	61	56	41	36	....	39	40	46	51	59	45	35	38	....	55	52	52	52	45	50	50	52	51	53	47.8
Humboldt Basin.																																	
Austin	Maximum	....	....	96	....	....	....	95	95	93	92	94	91	94	95	95	93	94	92	92	94	94	95	95	94	96	....	94	94	92	89	90	93.5
	Minimum	....	....	58	....	....	....	54	56	55	52	50	62	48	50	51	51	50	41	48	52	62	69	70	67	70	....	68	71	71	74	71	58.8
Battle Mountain	Maximum	91	91	93	97	100	101	101	100	104	100	100	100	102	100	101	104	100	104	98	100	102	100	100	101	99	97	98	99	100	100	98	99.4
	Minimum	45	51	42	45	47	47	46	51	60	63	61	64	56	56	63	58	49	50	46	52	55	76	63	62	53	54	51	51	48	46	48	53.5
Clover Valley	Maximum	89	87	86	90	89	88	83	91	95	93	92	92	88	89	89	90	88	87	86	80	90	90	89	92	90	86	90	91	87	86	88	88.7
	Minimum	50	48	49	51	55	52	49	52	52	59	57	57	54	54	54	57	61	61	58	49	49	50	59	59	....	....	....	....	....	....	....	54.0
Elko	Maximum	98	100	99	100	97	95	92	104	103	98	98	97	99	97	101	102	103	99	93	95	97	100	102	98	96	97	98	97	98	99	97	98.4
	Minimum	42	41	40	39	40	42	42	50	50	55	53	52	50	50	50	56	57	38	40	40	52	50	58	50	48	46	47	46	47	45	42	46.7
Eureka	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Imlay	Maximum	94	92	80	99	99	95	91	98	101	96	96	99	95	95	98	99	101	99	97	99	99	100	99	99	96	95	96	97	95	97	98	96.6
	Minimum	52	54	53	57	55	58	50	55	55	69	62	66	63	65	66	66	....	65	65	65	69	67	65	65	62	60	56	55	51	53	54	59.9
Lamoille	Maximum	87	83	86	91	89	87	84	92	94	91	88	89	90	89	90	92	89	84	88	89	93	89	93	90	92	87	91	80	88	89	....	88.8
	Minimum	47	48	48	52	55	52	49	50	49	63	60	61	49	54	56	63	62	46	47	53	57	62	61	56	59	50	45	53	52	52	56	53.8
Lovelock	Maximum	87	87	91	96	92	90	92	100	101	97	97	96	97	99	97	100	100	95	98	98	99	95	96	96	96	95	91	92	92	91	91	95.0
	Minimum	44	44	46	49	53	44	48	57	57	55	55	54	52	57	57	59	63	58	47	52	52	66	61	51	47	57	49	51	56	43	44	52.5
Metropolis	Maximum	86	102	90	96	102	86	86	92	96	96	92	109	107	106	97	89	108	90	99	99	93	100	91	92	92	90	88	85	87	86	88	94.2
	Minimum	44	43	42	44	46	44	44	50	61	52	54	56	53	50	52	55	62	39	41	45	60	65	56	56	49	45	60	50	53	51	50	50.7
Paradise Valley	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Potts	Maximum	92	90	91	94	95	91	95	98	94	95	96	94	90	92	91	91	93	90	94	93	92	89	91	91	91	93	90	91	90	92	91	92.3
	Minimum	41	40	40	44	42	40	41	45	56	52	53	50	51	49	48	49	50	48	47	49	50	49	50	51	51	52	49	48	49	49	50	47.8
Tecoma	Maximum	96	98	95	100	100	98	99	95	104	105	104	102	100	99	99	100	100	96	99	100	100	98	97	96	98	100	99	96	90	94	95	98.5
	Minimum	47	44	48	46	48	44	47	45	50	54	57	52	53	52	55	54	65	44	46	47	44	46	53	51	54	50	53	47	49	53	54	50.1
Winnemucca	Maximum	86	85	90	95	86	87	86	98	100	93	94	93	94	97	99	99	91	88	94	97	98	94	95	94	92	88	92	92	89	92	88	92.5
	Minimum	43	53	51	49	63	54	52	51	54	69	59	58	62	62	61	57	58	51	49	59	54	69	60	56	52	56	49	49	58	44	54	55.4
Truckee Basin.																																	
Marlette Lake	Maximum	65	70	73	73	68	71	78	80	80	76	76	74	78	80	80	80	81	82	80	84	82	77	77	78	78	73	74	76	70	70	67	75.8
	Minimum	40	41	42	48	44	43	41	47	51	53	51	51	48	51	49	51	48	44	48	50	71	55	52	50	46	47	47	50	45	41	38	47.8
Reno	Maximum	82	84	89	91	85	86	92	98	97	92	92	90	95	96	94	96	95	93	95	99	98	91	91	90	89	90	90	90	86	89	84	91.3
	Minimum	47	49	50	53	56	49	50	56	63	60	58	57	57	61	56	62	59	54	59	60	61	64	61	55	52	48	51	54	55	48	45	55.2
Tahoe, Cal.	Maximum	75	76	80	80	75	78	85	88	86	85	84	84	86	81	87	87	86	86	86	91	89	83	85	85	81	82	82	78	77	78	....	82.9
	Minimum	36	36	37	39	40	37	41	45	47	49	45	45	45	49	46	47	43	41	47	48	50	52	47	54	46	38	39	46	41	35	37	43.5
Carson Basin.																																	
Fallon §§	Maximum	91	90	93	97	93	93	94	100	100	98	100	97	98	99	100	103	98	94	98	103	103	98	100	100	97	93	95	94	92	93	90	96.6
	Minimum	49	45	50	55	57	45	54	52	62	59	60	57	56	65	59	66	62	52	52	58	62	64	63	54	51	52	53	56	57	48	49	55.6
Lahontan	Maximum	86	86	89	93	89	90	90	97	96	95	97	95	94	95	95	97	95	91	89	96	96	94	96	97	95	90	91	91	89	90	86	92.6
	Minimum	60	55	61	64	64	57	63	64	72	65	67	66	67	71	67	71	72	61	64	71	71	68	67	62	58	64	62	69	66	61	63	64.9
Minden	Maximum	89	87	90	....	92	90	100	99	95	95	95	97	94	99	96	98	98	98	98	99	99	96	95	95	97	94	92	90	87	90	90	94.5
	Minimum	42	43	44	....	40	....	49	54	52	50	49	52	....	52	48	53	51	50	52	51	54	54	51	53	46	42	45	50	47	40	37	48.2
Walker Basin.																																	
Mina	Maximum	97	96	95	98	98	99	98	99	97	100	102	101	100	103	104	100	98	96	99	98	99	99	99	100	101	102	102	101	100	98	96	99.2
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Thorne	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Yerington	Maximum	90	90	94	98	95	92	94	100	95	97	100	98	99	97	99	100	98	85	88	90	100	....	....	....	....	....	96	95	92	94	93	95.0
	Minimum	41	42	44	50	58	54	45	46	58	51	54	51	58	59	55	57	55	45	49	57	57	....	....	....	....	....	58	60	61	60	58	53.2
Colorado Basin.																																	
Indian Springs	Maximum	100	102	103	103	104	104	103	102	105	102	100	101	101	103	100	101	100	95	96	100	101	99	98	100	101	103	105	85	94	98	....	100.3
	Minimum	62	60	62	64	61	64	63	64	67	76	68	69	68	67	66	68	67	64	61	65	72	70	67	66	75	72	74	66	60	55	58	65.8
Las Vegas	Maximum	102	103	105	106	106	105	105	104	107	107	105	102	104	103	104	101	101	92	95	96	106	107	105	107	106	103	100	93	98	109	102	102.9
	Minimum	70	65	69	70	71	71	71	71	74	72	80	69	70	71	72	70	73	66	65	65	67	65	73	71	73	72	77	68	63	65	61	69.7
Logandale	Maximum	105	107	109	111	106	105	107	105	111	113	104	97	104	105	107	103	103	94	100	97	107	108	108	107	110	109	101	92	94	102	104	104.4
	Minimum	78	80	65	66	70	75	74	74	72	74	74	72	72	71	74	73	70	71	74	70	70	78	73	77	72	71	71	69	68	69	65	72.0
Minor Basins.																																	
Beatty	Maximum	98	97	99	104	101	97	100	106	104	105	106	104	101	105	109	103	103	102	100	94	104	105	109	104	106	106	103	101	98	97	98	102.2
	Minimum	50	56	53	52	53	57	56	60	63	65	79	69	67	85	72	61	61	55	58	62	63	69	63	65	79	59	55	62	52	52	51	61.4
Gerlach	Maximum	89	86	91	90	93	90	89	95	99	98	100	102	102	104	105	99	101	102	103	104	105	103	98	108	98	97	99	94	91	94	94	97.5
	Minimum	47	46	46	45	49	53	54	56	56	64	60	62	60	62	58	58	60	61	60	62	50	45	44	53	51	51	50	41	40	39	40	52.4
Goldfield	Maximum	90	90	92	93	92	93	93	97	96	97	98	90	95	94	95	98	96	93	92	92	90	94	95	95	95	95	88	86	85	88	86	92.7
	Minimum	54	56	54	59	61	54	56	60	58	59	62	67	64	63	57	62	64	64	58	61	62	57	63	66	63	62	65	63	55	51	54	59.8
McDermitt	Maximum	93	92	94	93	92	93	94	99	104	94	94	92	97	99	98	100	97	97	98	100	94	94	93	94	95	94	94	93	92	93	92	95.1
	Minimum	42	41	40	42	44	44	42	45	62	56	52	44	60	61	67	62	64	62	60	56	60	60	57	61	60	57	43	53	52	50	47	53.4
McGill	Maximum	89	88	92	94	93	92	91	97	100	99	93	95	94	76	93	98	95	91	93	93	98	97	94	90	94	93	91	87	90	91	90	92.6
	Minimum	56	54	54	56	61	61	55	54	59	65	63	60	59	53	60	58	65	58	53	48	59	56	50	51	54	54	52	52	50	54	51	56.0
Millett	Maximum	89	88	88	91	90	91	91	95	84	86	85	92	91	89	90	92	91	91	91	92	92	86	86	94	94	84	94	88	87	89	86	89.6
	Minimum	42	46	46	43	53	45	49	52	57	56	57	60	53	59	52	51	58	50	44	45	49	55	56	55	49	48	45	58	53	41	48	50.8
Rebel Creek	Maximum	85	83	80	90	90	86	90	96	98	94	94	92	92	97	94	99	87	84	92	94	96	97	94	94	90	86	89	91	89	89	85	90.9
	Minimum	52	46	51	54	57	49	50	52	61	71	58	56	61	59	60	61	69	52	56	60	65	66	62	61	52	53	51	57	60	49	64	57.3
Sand Pass	Maximum	84	85	92	92	84	89	91	101	101	95	95	94	96	100	98	101	97	95	101	100	102	100	96	95	93	91	94	90	85	89	86	93.9
	Minimum	45	45	49	54	55	53	54	60	61	65	61	54	56	79	63	62	69	57	54	61	61	73	62	54	50	69	48	52	60	48	46	57.4
Searchlight	Maximum	94	97	100	100	95	95	98	98	104	99	93	90	95	97	95	89	88	89	90	94	88	101	99	101	102	99	89	82	94	95	94	95.0
	Minimum	72	71	71	75	72	70	71	70	75	73	72	65	68	70	72	66	70	62	67	69	72	73	75	77	79	75	72	70	65	72	70	71.0
Sharp	Maximum	90	88	90	87	89	90	86	89	91	92	90	92	93	90	92	90	91	90	92	90	93	90	93	91	92	88	90	88	92	93	88	90.3
	Minimum	50	48	50	54	56	58	57	55	56	57	55	57	56	58	54	56	58	60	61	62	63	61	62	60	62	61	58	56	58	60	47	57.0
Sulphur	Maximum	87	86	92	97	97	90	90	102	104	102	98	97	95	101	101	102	102	93	97	100	103	101	101	97	98	100	101	102	104	97	97	97.9
	Minimum	47	49	48	51	53	53	48	52	58	67	67	59	55	58	62	65	64	47	51	53	58	68	65	66	59	58	62	65	67	61	70	58.3
Tonopah	Maximum	83	84	88	88	88	87	88	91	88	88	91	88	88	87	91	91	91	88	87	87	86	88	89	91	90	89	84	82	82	84	83	87.4
	Minimum	61	57	61	61	65	62	63	69	64	63	67	67	66	68	66	68	65	63	63	61	66	64	68	69	68	62	64	63	59	57	60	63.9
Vya	Maximum	80	85	88	90	82	82	94	96	97	95	95	97	96	97	97	94	87	92	93	90	94	96	95	92	91	95	91	92	88	87	88	91.5
	Minimum	40	37	52	55	44	38	39	39	49	64	50	52	45	50	78	62	55	48	40	46	50	58	52	54	50	48	52	54	45	51	50	49.9

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.


Edmonton
Battleford
Prince Albert
The Pas
Medicine Hat
Qu'Appelle
Swift Current
Minnedosa
NO RAIN
NO RAIN
0
0.5
1
2
4
6
8
Based on 850 records
Scale of Shades
0 to 1 inch
1 to 2 inches
2 to 4 inches
4 to 6 inches
Over 6 inches

UNIVERSITY OF ILLINOIS
URBANA

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

OCT 9 1919

CLIMATOLOGICAL DATA

NEVADA SECTION

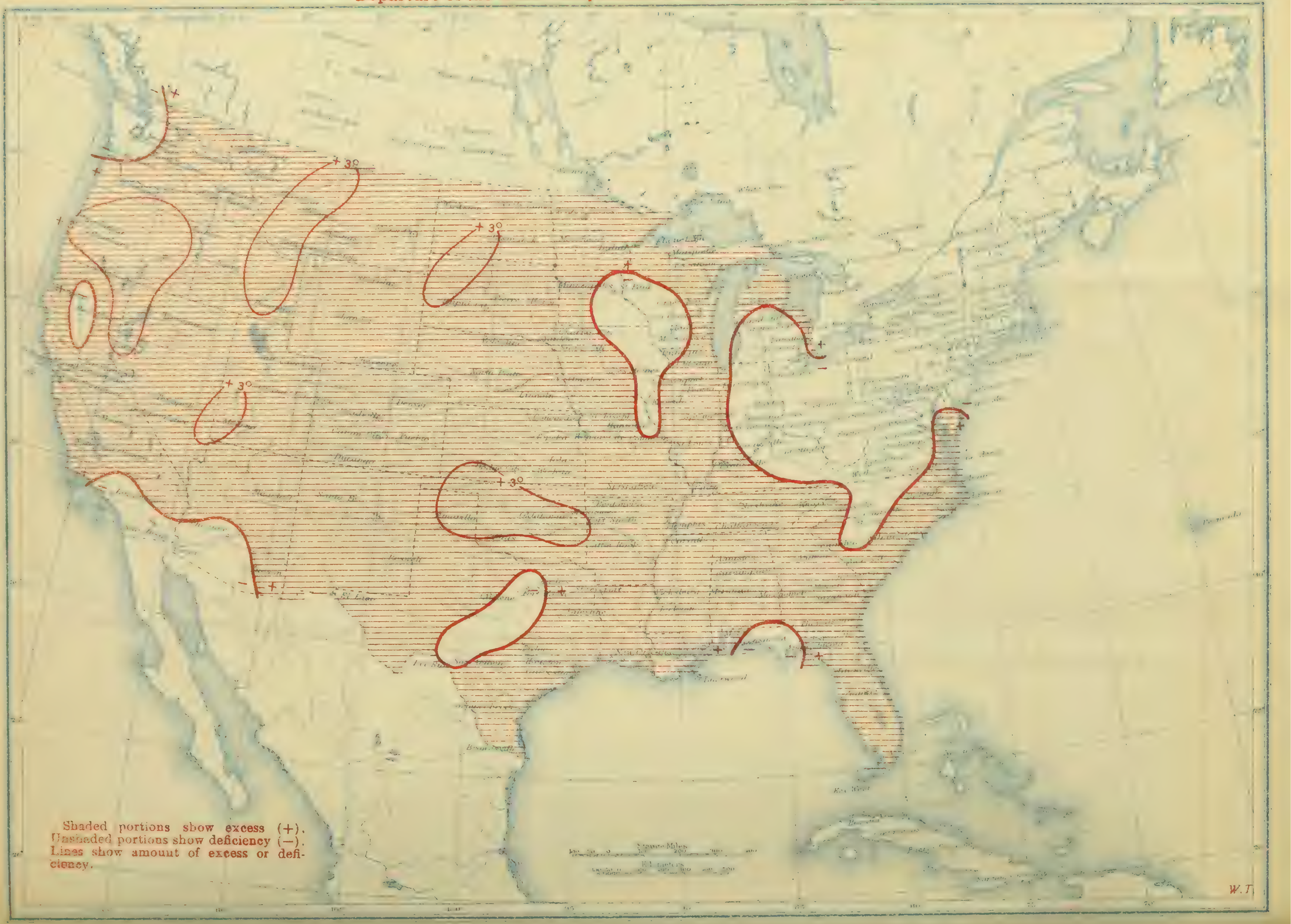
AUGUST, 1919

BY

HENRY F. ALPS
METEOROLOGIST

RENO, NEV.
WEATHER BUREAU OFFICE
SEPTEMBER 22, 1919.

Departure of the Mean Temperature from the Normal, August, 1919.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALPS, Meteorologist.

Vol. XXXIV. Reno, Nevada, August, 1919. No. 8.

GENERAL SUMMARY.

Warm and dry weather continued in August. The only cool period was during the opening of the month when the temperature was below normal for four or five days. Temperatures of 90° or higher were recorded at all stations except Marlette Lake, and 100° or higher was reached at sixteen stations. There have been only four Augusts in the past 31 years with a higher monthly mean temperature, and only three that were drier than August of this year. It was the fifth consecutive month with the temperature above normal and the sixth consecutive month with less than normal precipitation. February was the only month since October, 1918, which received greater than normal precipitation. The only areas in the State which received beneficial amounts of moisture during August were in Clark and Lincoln Counties and a few mountain sections of Elko and White Pine Counties. Searchlight, in the extreme south portion of the State, with a monthly rainfall of 0.98 inch, was the only station which recorded more than a half inch.

Haying, harvesting, and thrashing made rapid progress under favorable weather. The yields were only fair to good. Grain and hay yields were lightest in the northeast quarter of the State where water for late irrigation was very low. The high temperatures were unfavorable for potatoes, alfalfa, and grain in all valleys where there was a shortage of water for irrigation. Fruits were generally in good condition, although the crop of peaches and pears was lighter than usual. A good yield of melons was being harvested, but the truck crops in general were somewhat below normal. Stock continued in good condition in nearly all parts of the State, although ranges were unusually dry. There was no water supply in some of the mountain ranges.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 37 stations, was 72.6°. The mean for the 24 stations having ten or more years' record was 3.9° above normal. The highest recorded was 111°, at Las Vegas on the 14th and 22d, and at Logandale on the 19th, 21st, 22d, and 23d; the lowest was 32°, at Lamoille on the 2d, and at Elko on the 11th. The greatest daily range was 64°, at Battle Mountain on the 17th. The highest monthly mean was 87.1°, at Logandale; the lowest was 60.6°, at Marlette Lake.

PRECIPITATION.

The average for 48 stations reporting was 0.09 inch. For the 28 stations having ten or more years' record, the mean was 0.29 inch below the normal. The average amount at 4 stations in the Columbia Basin was 0.12 inch; at 16 stations in the Humboldt Basin, 0.07 inch; at 2 stations in the Truckee Basin, 0.08 inch; at 3 stations in the Carson Basin, 0.00; at 4 stations in the Walker Basin, 0.00; at 2 stations in the Colorado Basin, 0.24 inch; at 17 stations in the minor basins, 0.12 inch The greatest monthly fall was 0.98 inch at Searchlight; there was none at 16 stations. The average number of days with precipitation was 1.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric pressure (sea level).			Mean relative humidity.		Wind.			
	Mean.	Highest.	Lowest.	5 a. m.	5 p. m.	Average hourly velocity.	Max. velocity.		
							Miles per hour.	Direc.	Date.
Reno	29.90	30.25	29.72	52	18	7.0	32	w.	4
Winnemucca	29.95	30.31	29.69	42	15	5.9	23	sw.	17
Tonopah	29.91	30.18	29.74	29	11	7.9	29	e.	16

SUNSHINE AND CLOUDINESS.

At Reno, 92 per cent of the possible sunshine was recorded; at Winnemucca, 97 per cent; at Tonopah, 85 per cent. For the State, the average number of clear days was 23; partly cloudy, 6; cloudy, 2.

MISCELLANEOUS PHENOMENA.

(Dates of).

Brisk winds.—8, 11, 15, 16, 18, 22, 23, 25, 26, 27, 29, 30, 31.
Sand storm.—29.
Solar halo.—12.
Thunderstorms.—8, 9, 13, 15, 16, 17, 18, 23, 26, 27, 29, 30, 31.

COMPARATIVE DATA FOR AUGUST.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	73.2	117	29	1.06	0	2	19	6	6	s.
1890	70.1	110	28	2.06	0	5	16	9	6	sw.
1891	72.0	101	25	0.44	0	2	21	6	4	s.
1892	71.2	105	20	0.01	0	0	21	9	1	w.
1893	71.1	104	25	0.26	0	2	16	7	8	sw.
1894	71.0	105	30	0.45	0	4	17	7	7	sw.
1895	70.6	112	24	0.15	T.	1	19	8	4	sw.
1896	69.0	109	34	0.82	0	3	16	8	7	w.
1897	73.3	110	31	0.31	0	2	17	8	6	s.
1898	73.6	112	29	0.45	0	2	18	8	5	sw.
1899	63.7	99	20	0.82	T.	3	19	5	7	w.
1900	66.6	110	30	0.04	0	0	22	6	3	sw.
1901	68.3	101	29	2.05	0	6	17	5	9	sw.
1902	68.9	117	30	0.22	0	2	21	5	5	sw.
1903	69.7	114	28	0.10	0	1	24	6	1	sw.
1904	68.6	105	22	1.81	0	7	12	8	11	sw.
1905	70.7	108	31	0.27	0	1	21	6	4	sw.
1906	70.2	111	26	0.80	0	3	17	8	6	w.
1907	67.7	109	22	0.31	0	2	20	7	4	s.
1908	69.7	108	18	0.36	0	2	17	8	6	w.
1909	70.9	112	25	0.48	0	2	21	7	3	sw.
1910	69.3	111	20	0.08	0	1	25	4	2	w.
1911	67.3	110	27	0.01	0	0	27	3	1	w.
1912	67.7	110	23	0.35	0	2	23	5	3	w.
1913	70.4	109	25	0.75	0	5	15	11	5	w.
1914	72.5	122	14	0.14	0	1	23	7	1	sw.
1915	73.3	112	32	0.08	0	1	25	5	1	s.
1916	67.7	112	21	0.25	0	1	23	5	3	sw.
1917	70.6	108	32	0.35	0	2	20	7	4	sw.
1918	67.4	112	28	0.23	0	1	22	6	3	w.
1919	72.6	111	32	0.09	0	1	23	6	2	sw.
Entire period	70.0	122	14	0.50	T.	2	20	7	4	sw.

Climatological data for August, 1919.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation, in inches. Length of record, years.	Total.*	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	Number of days. With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.	Prevailing direction of the wind.	Observers.
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	....	......	......	......	......	......	......	....	6	0.23	....	0.12	0	4	26	3	2	sw.	U. S. Forest Service.
Mahoney Ran. Sta**	do	6,200	4	......	......	......	......	......	......	....	4	......	....	......	......	......	......	......	......	......	Do.
Owyhee	do	5,400	8	68.2[c]	......	95[c]	16	38[c]	5	46[c]	8	0.06	....	0.04	0	2	27	4	0	......	E. A. Schwab.
San Jacinto	do	5,200	14	64.8	+2.4	97	†24	35	15	56	14	0.17	−0.44	0.10	0	2	16	12	3	n.	Utah Construction Co.
Tuscarora (near)	do	......	......	......	......	......	......	......	......	....	11	0.00	....	0.00	0	0	17	12	2	w.	D. B. Williams.
Humboldt Basin.																					
Arthur	Elko	6,500	....	......	......	......	......	......	......	....	9	0.45	+0.01	0.23	0	2	28	2	1	......	Isaac Woodhouse.
Austin	Lander	6,594	30	75.8[c]	+7.7	96[c]	25	52[c]	12	34[c]	30	0.11	−0.52	0.04	0	3	21	2	8	e.	Forest Service.
Battle Mountain	do	4,513	48	70.5	−2.9	103	21	36	†17	64	50	0.00	−0.14	0.00	0	0	18	8	5	w.	Southern Pacific Co.
Beowawe	Eureka	4,695	48	71.8	−2.1	100	†16	37	12	56	50	0.10	−0.09	0.10	0	1	21	9	1	sw.	Do.
Clover Valley**	Elko	6,000	18	69.9[f]	+4.4	95[a]	23	47[k]	20	46[k]	26	0.00	−0.60	0.00	0	0	24	4	3	......	J. D. Weeks.
Elko	do	5,063	48	68.5	+2.7	101	†22	32	11	62	49	0.00	−0.50	0.00	0	0	16	11	4	sw.	Western Pacific Co.
Eureka	Eureka	6,837	21	......	......	......	......	......	......	....	23	......	....	......	......	......	......	......	......	......	....
Golconda	Humboldt	4,392	40	74.4	+3.2	98	†19	46	10	49	42	0.00	−0.09	0.00	0	0	21	9	1	w.	Southern Pacific Co.
Hylton **	Elko	7,081	....	......	......	......	......	......	......	....	9	0.42	....	0.28	0	2	29	2	0	......	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	6	74.5	+1.6	99	20	45	10	51	6	0.00	−0.14	0.00	0	0	21	10	0	n.	Southern Pacific Co.
Lamoille	Elko	6,100	4	69.4	......	93[a]	†21	32	2	51[a]	4	0.05	−0.49	0.05	0	1	16	13	2	se.	Elko-Lamoille Power Co.
Lovelock	Pershing	3,977	25	71.0	−3.1	100	24	37	3	53	23	0.02	−0.02	0.02	0	1	25[c]	2[c]	1[c]	s.	Harold W. B. Baker.
Metropolis §	Elko	5,661	6	68.1	......	92	†21	40	†4	49	10	T.	−0.22	T.	0	0	27	3	1	w.	L. F. Hatch.
North Fork	do	6,500	....	......	......	......	......	......	......	....	10	0.00	....	0.00	0	0	24	6	1	s.	Roy C. Pratt.
Paradise Valley	Humboldt	4,500	6	......	......	......	......	......	......	....	10	......	....	......	......	......	......	......	......	......	F. C. Buckingham.
Potts	Nye	6,002	26	65.4	−2.4	95	25	33	†10	52	28	T.	−0.57	T.	0	0	13	13	5	s.	Miss Irene Potts.
Tecoma	Elko	4,812	41	71.4	+0.6	105	24	39	12	53	43	0.03	−0.20	0.03	0	1	9	20	2	w.	Southern Pacific Co.
Winnemucca	Humboldt	4,344	42	71.2	+0.4	97	20	42	1	51	50	T.	−0.17	T.	0	0	28	3	0	sw.	U. S. Weather Bureau.
Truckee Basin.																					
Marlette Lake**	Washoe	7,900	4	60.6	......	86	20	37	†9	40	2	0.07	....	0.07	0	1	26	3	2	sw.	V. & G. H. Water Co.
Reno	do	4,532	32	71.3	+4.3	92	20	44	12	46	6	0.08	−0.17	0.08	0	2	26	5	0	w.	U. S. Weather Bureau.
Tahoe, Cal	......	6,230	11	61.8	......	90	21	34	12	48	32	0.01	....	0.01	0	1	23	4	4	w.	Arthur L. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	25	73.0	+1.0	102	21	42	12	49	25	0.00	−0.12	0.00	0	0	26	5	0	nw.	U.S. Experiment Station.
Lahontan **	do	4,200	7	77.5	......	98	21	53	4	36	9	T.	....	T.	0	0	29	2	0	ne.	U.S. Reclamat'n Service.
Minden	Douglas	4,730	28	70.4[f]	+2.8	98[f]	†20	37[f]	13	55[f]	29	0.00	−0.20	0.00	0	0	13[f]	9[f]	3[f]	nw.	Forest Service.
Markleeville, Cal	......	5,525	....	......	......	......	......	......	......	....	10	0.00	....	0.00	0	0	28	3	0	s.	Mrs. Mary Thornburg.
Walker Basin.																					
Mina §	Mineral	4,350	12	76.7[c]	+0.7	102	20	51[f]	14	45[f]	23	0.00	−0.41	0.00	0	0	24	4	3	......	Southern Pacific Co.
Smith	Lyon	4,800	....	......	......	......	......	......	......	....	11	T.	....	T.	0	0	19	12	0	sw.	C. M. Carter.
Thorne §	Mineral	4,200	6	......	......	......	......	......	......	....	6	0.00	−0.28	0.00	0	0	26	5	0	nw.	Southern Pacific Co.
Yerington §	Lyon	4,375	10	73.6	+3.5	103	22	42	†1	53	10	T.	−0.20	T.	0	0	25	4	2	n.	W. H. Churchyard.
Shields Ranch, Cal. **	......	5,300	....	......	......	......	......	......	......	....	10	T	....	T.	0	0	30	1	0	......	Bruce H. Chichester.
Colorado Basin.																					
Indian Springs §**	Clark	3,136	5	......	......	......	......	......	......	....	5	......	....	......	......	......	......	......	......	......	Ira MacFarland.
Las Vegas	do	2,033	17	85.8	+5.8	111	†14	57	5	48	17	0.32	−0.25	0.32	0	1	27	2	2	s.	C. P. Squires.
Logandale §	do	1,355	12	87.1	+1.0	111	†19	56	4	48	20	0.17	−0.27	0.17	0	1	23	8	0	......	Bert Mills.
Minor Basins.																					
Beatty	Nye	3,309	3	80.2	......	110	†21	41	3	56	3	0.00	....	0.00	0	0	23	7	1	s.	E. E. Palmer.
Duck Flat **	Washoe	4,725	...	......	......	......	......	......	......	....	5	0.13	....	0.10	0	2	29	2	0	w.	C. T. Smith.
Gerlach	do	3,931	7	......	......	101	20	......	......	....	7	0.07	....	0.07	0	1	26	0	5	w.	Western Pacific Co.
Goldfield	Esmeralda	5,700	12	73.8	+1.4	98	21	49	3	42	14	0.04	−0.53	0.04	0	1	28	3	0	s.	R. G. Jones.
Jungo	Humboldt	4,165	....	......	......	......	......	......	......	....	6	0.00	....	0.00	0	0	27	2	2	w.	Western Pacific Co.
Lemmons Valley**	Washoe	5,000	....	......	......	......	......	......	......	....	5	0.01	....	0.01	0	1	28	0	3	sw.	W. J. Webster.
McDermitt	Humboldt	4,700	8	71.0	−1.3	96	†18	42	†3	48	32	0.01	−0.14	0.01	0	1	31	0	0	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	9	72.8	+7.9	96	15	45	†6	46	9	0.24	−0.84	0.16	0	3	12	15	4	n.	R. E. Middagh.
Millett	Nye	5,040	11	68.3	+2.5	96	21	37	12	53	12	T.	−0.35	T.	0	0	19	3	9	s.	Fred J. Jones.
Pahrump	Nye	2,608	5	......	......	......	......	......	......	....	5	......	....	......	......	......	......	......	......	......	F. M. Buol.
Quinn Riv. Ranch **††	Humboldt	4,850	17	71.5	+4.4	103	†16	36	12	61	18	0.00	−0.18	0.00	0	0	24	5	2	s.	F. M. Payne.
Rebel Creek	do	4,300	7	72.4	......	96·	21	48	†1	40	8	0.00	....	0.00	0	0	22	9	0	sw.	Fred Whitaker.
Sand Pass **	Washoe	4,198	6	73.0	......	102	20	40	9	47	6	T.	....	T.	0	0	22	6	3	w.	R. R. Mott.
Searchlight	Clark	3,445	6	84.0	......	105	†13	62	4	32	6	0.98	....	0.34	0	4	19	8	4	s.	C. L. Aug. Mahn.
Sharp	Nye	6,200	5	73.2	......	94	29	52	1	40	5	0.49	....	0.46	0	2	25	0	6	se.	Pauline F. Youngs.
Sulphur	Pershing	4,044	6	79.8	......	109	21	48	1	51	6	0.00	....	0.00	0	0	19	12	0	sw.	Western Pacific Co.
Tonopah	Nye	6,090	14	74.4	......	92	22	55	3	27	11	0.01	....	0.01	0	1	21	10	0	se.	U. S. Weather Bureau.
Vya	Washoe	5,500	....	62.9	......	96	†21	34	†2	51	6	0.10	....	0.10	0	2	......	......	......	......	L. A. Mariette.
For the State		......	....	72.6	+3.9	111	†14	32	†2	64	....	0.09	−0.29	0.46	0	1	23	6	2	sw.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Mahoney Ranger Station, Jarbridge; of Clover Valley, Wells: of Hylton, Lee; of Marlette Lake, Virginia City; of Lahontan, Hazen; of Shields Ranch Coleville, Cal.; of Duck Flat, Sunkist: of Lemmons Valley, Reno; of Quinn River Ranch, Amos; of Sand Pass, Flanigan.

Reference letters, [a], [b], [c], appearing in the table indicate number of days missing, for example, [b] represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for August, 1919.

Stations.	Day of month																															Total.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia Basin.																																
Gold Creek (near)				T.												.03	T				T			T		T.	.02		.06		.12	0.23
Mahoney Ranger Station ||||																																
Owyhee																														.02	.04	0.06
San Jacinto								.07	.10									T.														0.17
Tuscarora (near)																																0.00
Humboldt Basin.																																
Arthur								.22																							.23	0.45
Austin																	.04						.03								.04	0.11
Battle Mountain																																0.00
Beowawe																															.10	0.10
Clover Valley																																0.00
Elko																																0.00
Eureka																																
Golconda																																0.00
Hylton						.14																									.28	0.42
Imlay																																0.00
Lamoille ||||									T.								.05						T.							T.		0.05
Lovelock																		.02														0.02
Metropolis ||||																															T	T
North Fork																																0.00
Paradise Valley																																
Potts																													T	T	T	T.
Tecoma								.03																								0.03
Winnemucca***																													T	T		T.
Truckee Basin.																																
Marlette Lake ||||																														.07		0.07
Reno ***																											T		.07	.01		0.08
Tahoe, Cal. ||||																														.01		0.01
Carson Basin.																																
Fallon ||||																																0.00
Lahontan																														T		T
Minden																																0.00
Markleeville, Cal																																0.00
Walker Basin.																																
Mina																																0.00
Smith																												T.				T.
Thorne																																0.00
Yerington																																
Shields Ranch, Cal																													T.			T.
Colorado Basin.																																
Indian Springs ||||																																
Las Vegas	T.																								T.						.32	0.32
Logandale																										T.					.17	0.17
Minor Basins.																																
Beatty																																0.00
Duck Flat																													.03	.10		0.13
Gerlach																													.07			0.07
Goldfield																	.04															0.04
Jungo																																0.00
Lemmons Valley																													.01			0.01
McDermitt																														.01		0.01
McGill								.01								.07	T.					T.							T.	T.	.16	0.24
Millett																	T.											T.				T
Pahrump																																
Quinn River Ranch																																0.00
Rebel Creek																																0.00
Sand Pass																												T.		T.		T
Searchlight															T.	.25		.30								.09					.34	0.98
Sharp																										.46					.03	0.49
Sulphur																																0.00
Tonopah***																		T.													.01	0.01
Vya ||||																													.04	.06		0.10

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

Daily evaporation (inches) and wind movement (miles) for August, 1919.

(See temperature and precipitation data in climatological tables, pages 60 to 62.)

Stations.	Data.	Day of month.																														Monthly.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Indian Springs*	Evaporation																																
	Wind movement																																
Lamoille*	Evaporation	.372	.350	.374	.343	.352	.349	.238	.327	.179	.250	.427	.405	.236	.178	.372	.353	.165	.244	.273	.418	.313	.391	.202	.354	.348	.347	.394	.214	.203	.299	.287	9.587
	Wind movement	59	75	60	80	60	50	55	75	70	70	60	90	65	55	45	45	60	70	70	70	85	55	72	68	52	58	60	66	34	50	120	2,004
Marlette Lake,*	Evaporation	.225	.303	.316	.418	.182	.276	.287	.310	.250	.306	.313	.437	.288	.233	.315	.319	.287	.381	.335	.051	.641	.360	.347	.311	.295	.138	.171	.080	.342	.143	.254	9.214
	Wind movement	97	84	105	146	108	82	75	68	110	80	85	125	67	77	77	59	73	93	90	81	63	88	113	45	64	98	68	113	68	55	81	2,638
Tahoe, Cal. ** ÷	Evaporation	.100	.220	.290	.170	.240	.200	.160	.070	.260	.100	.300	.160	.210	.150	.250	.250	.240	.220	.220	.170	.370	.190	.250	.170	.290	.130	.150	.250	.160	.240	.090	6.270
	Wind movement	28	89	108	109	108	7	81	116	52	86	89	47	44	57	47	55	53	58	77	66	68	116	89	108	36	74	83	14	17	65	138	2,215

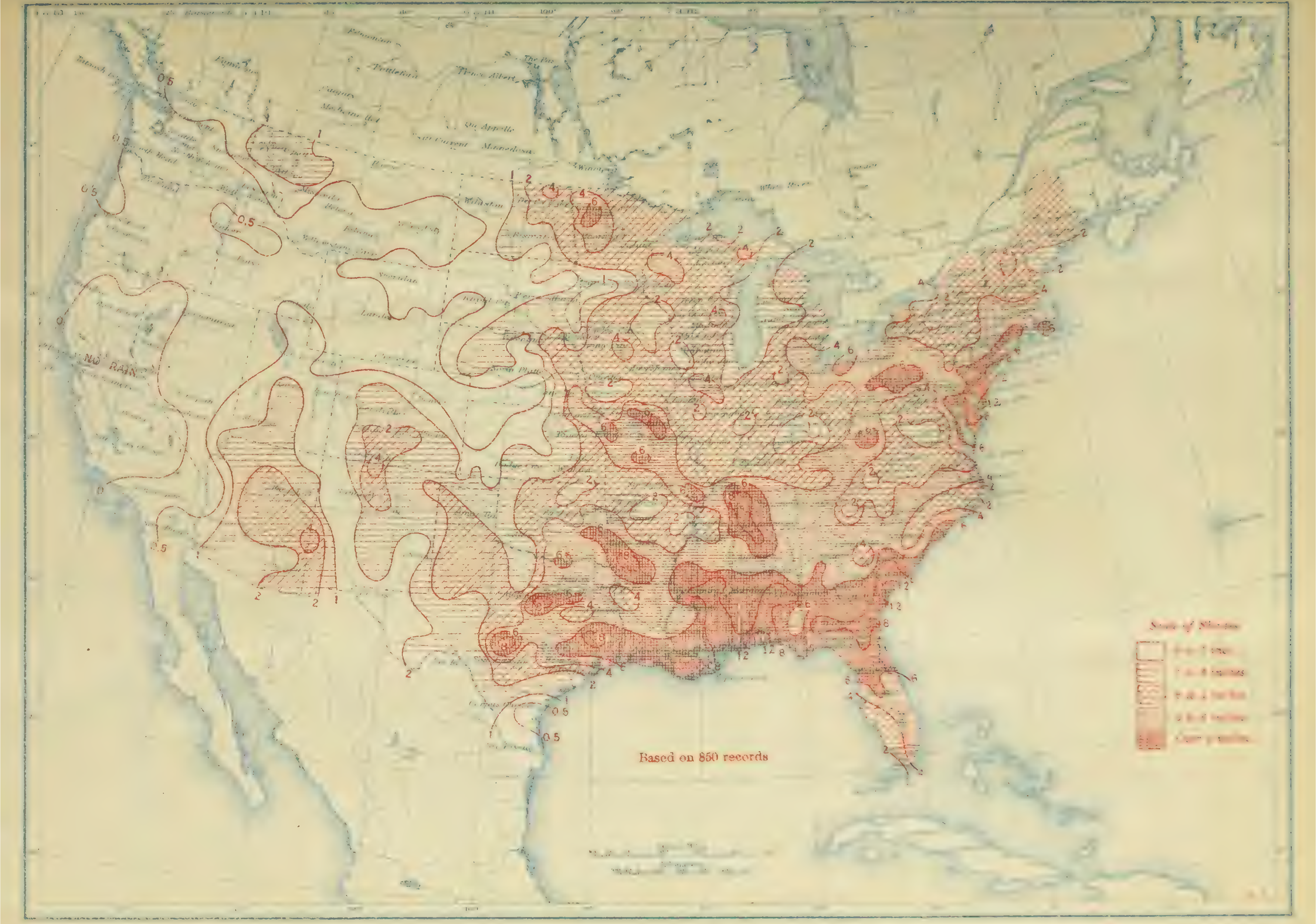
* Observations taken at 7 a. m.; ** at 8 a. m. ‡ Included in next following entry. ÷ Readings made in standard pan exposed on float in lake.

Daily temperatures for August, 1919.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Owyhee	Maximum	87	84	73	80	78	80	88	88	86	90	82	83	85	81	80	95	87	92	92	90	94	94	90	94	....	....	....	....	....	92	87	86.6
	Minimum	43	42	43	40	38	40	45	54	49	62	58	48	50	54	56	54	53	57	53	50	52	48	50	51	....	....	....	....	....	51	50	49.7
San Jacinto	Maximum	86	84	79	82	79	86	89	88	81	90	84	80	82	80	85	94	84	87	85	87	93	93	88	97	97	87	86	82	88	95	81	86.4
	Minimum	45	45	46	37	40	36	45	55	43	39	40	40	42	41	35	38	58	42	41	36	38	40	41	41	43	51	40	39	47	55	63	43.3
Humboldt Basin.																																	
Austin	Maximum	88	86	85	88	88	86	87	90	92	....	89	86	88	92	89	88	....	90	91	95	89	92	90	....	96	92	89	87	89	90	97	89.6
	Minimum	72	70	68	66	61	62	65	68	67	....	57	52	56	59	59	55	....	61	64	68	68	65	64	....	62	62	60	56	56	58	54	62.0
Battle Mountain	Maximum	95	91	90	89	90	93	99	99	92	98	98	90	96	96	100	100	100	100	101	102	103	100	101	101	100	100	91	97	97	98	98	96.9
	Minimum	42	42	45	46	48	48	56	56	56	54	57	54	49	40	38	37	36	36	43	43	42	42	37	36	37	37	48	44	42	40	37	44.1
Clover Valley	Maximum	85	86	80	80	83	82	80	83	82	89	....	86	88	87	87	83	85	84	89	87	94	92	95	94	93	82	86	86	87	92	90	86.6
	Minimum	....	....	....	....	....	....	....	....	....	....	....	50	54	48	57	56	54	53	51	47	48	54	56	55	53	60	55	53	56	55	50	53.2
Elko	Maximum	92	93	91	91	92	93	95	97	97	96	90	90	92	95	96	97	97	98	99	100	100	101	100	101	98	98	98	97	92	88	80	95.0
	Minimum	39	39	38	37	37	37	37	35	36	38	32	36	36	38	40	42	45	48	46	45	44	46	47	47	47	47	43	46	48	50	57	42.0
Eureka	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Imlay	Maximum	95	91	95	93	90	94	96	93	95	96	96	94	95	96	95	97	95	97	92	99	98	97	96	94	95	93	91	95	91	95	95	94.6
	Minimum	52	50	51	54	50	59	60	52	54	45	60	55	53	60	51	53	50	55	55	57	54	54	56	59	57	56	54	56	54	57	54	54.4
Lamoille§§	Maximum	85	83	86	82	81	85	89	89	83	89	82	84	87	88	85	92	82	88	90	90	93	93	88	82	92	83	83	85	79	90	....	86.3
	Minimum	49	32	39	39	50	45	44	59	44	49	51	49	49	49	49	53	54	59	58	59	58	63	61	63	58	63	53	55	50	58	64	52.5
Lovelock	Maximum	86	85	84	87	86	92	93	93	91	89	89	88	95	94	99	99	95	96	99	98	98	99	99	100	98	92	93	92	97	97	92	93.4
	Minimum	43	44	37	40	43	43	50	50	40	41	40	39	46	58	61	50	56	43	52	52	56	53	51	50	49	48	47	65	55	57	50	48.7
Metropolis	Maximum	85	86	85	85	82	86	86	80	81	87	87	86	87	88	88	88	87	88	89	89	92	91	92	92	91	91	83	82	86	85	74	86.4
	Minimum	50	47	43	40	50	73	65	58	47	47	43	40	43	42	42	61	52	47	43	40	45	50	52	53	52	61	49	50	54	65	40	49.8
Paradise Valley	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Potts	Maximum	89	88	90	90	92	90	88	89	85	83	83	84	88	90	91	91	91	94	92	92	90	91	91	94	95	93	91	90	90	90	91	89.9
	Minimum	40	40	44	46	42	40	40	39	38	33	34	33	36	40	42	42	44	44	43	42	40	41	43	48	49	45	40	41	40	40	41	41.0
Tecoma	Maximum	94	95	93	90	92	95	96	94	90	92	94	91	95	96	94	88	86	88	96	90	97	98	100	105	104	102	92	94	96	96	94	94.4
	Minimum	51	54	46	47	45	42	52	53	46	41	43	39	44	43	42	50	49	50	49	44	45	50	54	57	56	60	49	48	50	49	53	48.4
Winnemucca	Maximum	86	85	82	82	85	91	93	89	87	93	82	88	91	91	95	96	93	93	95	97	97	96	95	95	92	89	89	91	95	94	87	90.8
	Minimum	42	45	47	47	45	51	57	50	50	42	52	43	51	55	55	52	62	53	50	49	54	57	54	52	49	50	52	54	55	65	60	51.6
Truckee Basin.																																	
Marlette Lake§§	Maximum	66	65	64	65	72	75	73	70	70	72	67	77	80	82	81	77	76	77	84	86	82	81	77	78	78	71	76	76	79	73	68	74.8
	Minimum	42	41	42	41	40	43	44	47	37	37	48	37	44	45	48	54	52	50	49	50	56	45	50	51	52	50	48	47	48	53	49	46.5
Reno	Maximum	81	80	79	80	87	92	90	86	86	86	81	90	93	94	94	92	92	92	97	99	96	94	92	94	90	86	85	90	90	91	83	89.1
	Minimum	47	47	47	46	49	53	50	55	46	47	54	44	51	52	55	55	60	55	57	57	61	59	58	55	56	53	58	56	57	59	61	53.5
Tahoe, Cal.§§	Maximum	75	74	72	75	79	84	81	78	79	79	76	78	86	89	88	83	84	84	89	88	90	88	86	86	81	80	79	78	85	85	75	81.7
	Minimum	37	37	37	39	40	42	40	44	35	36	41	34	38	42	41	43	44	43	42	46	46	46	45	44	44	41	44	47	48	46	50	42.0
Carson Basin.																																	
Fallon §§	Maximum	89	88	87	90	88	94	94	93	90	92	88	90	95	94	98	99	97	95	99	101	102	100	98	97	95	93	93	92	96	97	92	94.1
	Minimum	49	48	44	45	47	49	54	57	44	46	47	42	51	51	51	54	63	55	56	52	59	56	55	56	55	50	53	53	58	58	54	52.0
Lahontan §§	Maximum	87	86	85	89	86	92	91	90	88	91	86	87	91	92	94	95	94	92	96	97	98	97	94	93	92	91	89	90	93	90	91	91.2
	Minimum	60	60	54	53	61	62	65	70	58	61	61	55	63	61	65	73	67	66	69	66	71	69	69	66	68	62	64	64	66	63	67	63.8
Minden	Maximum	85	....	....	....	....	93	....	....	89	90	95	90	92	93	95	96	93	94	96	98	98	98	96	91	92	88	89	89	95	94	91	92.8
	Minimum	55	....	....	....	....	40	....	....	42	39	58	40	37	45	48	45	54	54	49	48	54	52	50	48	47	44	50	54	51	50	45	48.0
Walker Basin.																																	
Mina	Maximum	96	92	94	93	92	93	95	94	95	96	96	93	96	94	97	97	94	97	101	102	101	99	99	98	99	97	95	90	98	92	90	95.6
	Minimum	....	....	....	....	....	....	57	58	54	54	55	52	53	51	56	57	56	53	58	57	61	66	67	64	60	60	63	61	58	56	58	57.8
Thorne	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Yerington	Maximum	93	92	90	93	91	97	95	97	92	95	93	92	97	98	97	100	102	99	100	102	101	103	99	99	95	94	95	95	97	94	93	96.1
	Minimum	42	42	44	43	46	44	45	51	62	61	55	44	45	47	48	50	52	50	54	54	56	53	53	58	67	46	54	50	60	56	50	51.0
Colorado Basin.																																	
Indian Springs§§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Las Vegas	Maximum	98	97	99	100	102	103	104	102	103	106	105	107	109	111	110	105	101	103	105	106	109	111	110	108	106	102	101	104	102	105	89	104.0
	Minimum	68	71	68	63	57	63	65	71	76	63	64	63	61	63	68	74	67	69	65	69	64	69	69	67	70	75	77	72	68	69	64	67.5
Logandale	Maximum	97	97	101	101	103	105	106	103	106	105	109	106	109	109	108	96	99	105	111	110	111	111	111	110	107	103	104	107	108	110	92	105.2
	Minimum	70	75	63	56	61	60	68	74	67	67	65	62	61	62	71	74	69	73	75	70	68	67	67	68	80	79	78	77	69	73	70	69.0
Minor Basins.																																	
Beatty	Maximum	94	95	92	96	90	97	100	99	96	104	101	103	103	105	105	99	99	102	108	108	110	110	108	103	103	91	98	102	102	105	99	100.9
	Minimum	56	55	44	45	47	51	53	66	50	48	56	51	57	56	58	66	77	65	67	62	62	64	63	61	60	67	59	77	78	60	67	59.6
Gerlach	Maximum	88	85	84	84	93	94	93	89	87	88	83	87	92	91	96	96	89	94	98	101	99	98	96	95	97	88	93	86	97	90	86	91.5
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Goldfield	Maximum	84	84	85	85	86	85	89	87	87	89	91	90	95	96	95	87	88	90	96	96	98	97	96	95	94	90	90	92	93	90	81	90.4
	Minimum	58	54	49	50	52	54	55	58	51	52	60	51	53	54	58	63	62	56	62	60	59	64	62	58	61	60	60	55	57	58	65	57.1
McDermitt	Maximum	91	84	87	87	90	91	90	91	88	90	82	90	89	88	90	94	94	96	95	94	93	95	94	96	94	92	94	96	92	94	94	91.5
	Minimum	47	45	42	43	42	45	47	47	50	52	49	51	50	50	52	51	52	51	51	52	52	51	50	53	51	50	51	52	57	64	62	50.4
McGill	Maximum	86	87	83	84	91	89	90	88	89	89	89	91	93	95	96	88	85	90	93	92	95	94	93	95	93	88	87	90	91	93	87	90.1
	Minimum	54	53	56	53	54	45	59	59	48	49	64	45	53	50	52	60	58	55	56	53	56	58	60	62	64	68	52	54	52	62	61	55.6
Millett	Maximum	88	85	84	86	86	85	88	86	87	90	85	90	91	92	93	89	85	89	91	92	96	94	90	92	91	87	85	90	91	90	83	88.7
	Minimum	50	54	41	39	47	42	44	45	44	46	55	37	44	42	45	65	55	45	52	45	45	50	48	45	48	51	47	50	51	51	63	47.9
Rebel Creek	Maximum	85	82	77	80	79	86	87	89	90	87	88	89	90	85	90	95	90	94	94	92	96	94	93	93	89	86	86	83	92	85	82	88.0
	Minimum	48	49	55	49	48	52	61	62	65	60	61	50	57	55	54	56	56	59	64	57	62	56	53	58	56	56	64	56	58	58	64	56.7
Sand Pass	Maximum	84	84	83	82	87	94	91	89	84	90	89	90	94	93	98	96	95	94	99	102	99	97	97	96	94	90	92	93	96	93	96	92.3
	Minimum	48	44	48	45	46	50	50	54	40	45	49	43	54	58	64	53	61	52	55	58	63	57	58	53	56	56	58	74	55	62	58	53.8
Searchlight	Maximum	91	91	91	92	93	94	98	95	97	98	100	102	105	101	97	87	90	97	100	103	104	105	105	104	98	90	95	96	100	101	92	97.2
	Minimum	67	66	64	62	65	69	71	72	70	71	68	70	79	76	74	67	66	70	72	78	81	76	76	75	75	65	68	72	72	74	65	70.8
Sharp	Maximum	90	90	92	91	89	91	92	93	91	89	91	93	90	89	92	90	92	90	92	89	91	92	93	90	92	90	92	93	94	90	88	91.0
	Minimum	52	54	55	54	56	55	57	56	54	55	57	58	56	57	56	54	58	57	56	54	56	55	54	56	57	56	55	57	56	55	54	55.5
Sulphur	Maximum	97	92	95	100	102	101	102	104	98	98	97	100	97	99	99	101	102	100	101	100	109	107	108	106	104	104	102	101	100	101	100	100.9
	Minimum	48	52	51	62	60	62	61	60	59	58	57	62	60	62	61	60	59	59	62	55	58	58	57	59	60	60	65	57	58	59	60	58.7
Tonopah	Maximum	81	80	82	80	82	82	84	83	84	85	86	86	88	90	89	84	80	86	88	90	92	92	90	90	90	83	85	88	88	86	76	85.5
	Minimum	56	57	55	57	57	61	65	65	60	60	62	59	66	66	69	62	62	63	66	71	70	68	68	66	66	65	63	65	67	66	63	63.4
Vya	Maximum	72	70	78	80	78	80	77	65	76	80	70	75	75	85	80	82	87	90	92	89	96	94	92	96	95	90	83	87	94	80	79	82.8
	Minimum	38	34	40	40	39	42	39	35	39	39	50	34	40	48	42	41	45	55	57	40	46	44	41	54	51	41	38	45	50	47	39	43.0

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Total Precipitation, Inches, August, 1919.



UNIVERSITY OF ILLINOIS
URBANA

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

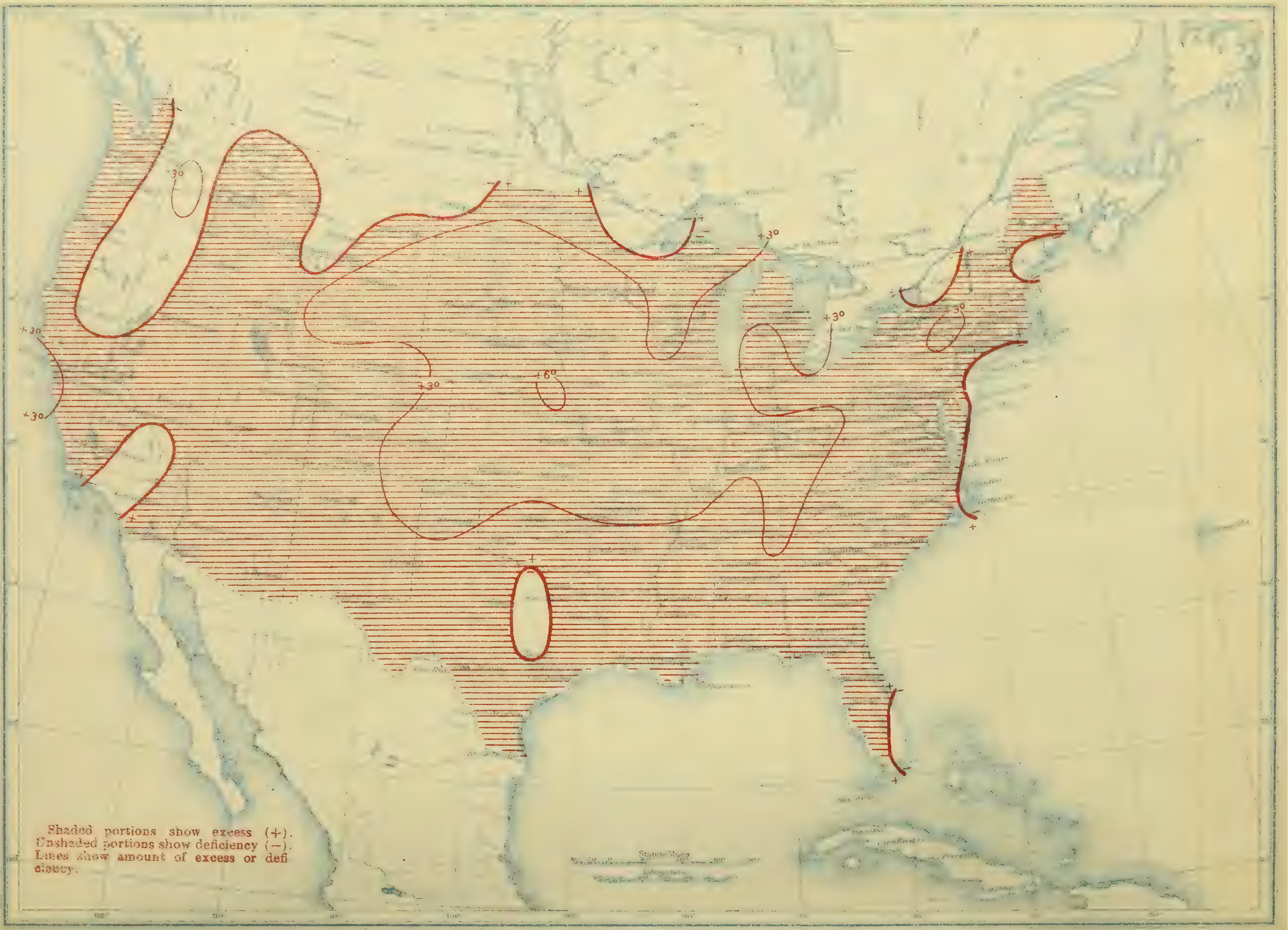
NEVADA SECTION

SEPTEMBER, 1919

BY
HENRY F. ALPS
METEOROLOGIST

RENO, NEV.
WEATHER BUREAU OFFICE
OCTOBER 22, 1919.

Departure of the Mean Temperature from the Normal, September, 1919.



Shaded portions show excess (+).
Unshaded portions show deficiency (−).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALPS, Meteorologist.

VOL. XXXIV. RENO, NEVADA, SEPTEMBER, 1919. No. 9.

GENERAL SUMMARY.

September averaged moderately warm with more than normal precipitation and wind movement, and about the usual amount of sunshine. There were a few areas where the temperature averaged considerably greater than normal, and a few localities where it averaged slightly lower than normal. It was the sixth consecutive month with the average temperature for the State above normal, although the excess was only 1.1°. It was the first month in the past seven with greater than normal precipitation, the State average being 0.29 inch above normal. The rainfall was greatest in the east portion, and decreased generally toward the west. The wettest areas were in Elko, White Pine, Lincoln, Clark, and the extreme north portion of Washoe and Humboldt Counties. The driest areas were along the western border from Douglas to Nye County, and in the central and lower portions of the Humboldt Valley. In portions of these districts, the amount of moisture was too light to materially benefit the soil. Ten stations recorded a monthly amount of one inch or more of precipitation. The average for the State for the past month was only about one-half of the average precipitation for September, 1918.

The weather was favorable for agriculture. The rainfall improved pastures and range grasses, and the amount of moisture was sufficient to put the soil in condition for plowing in many districts. Haying, harvesting, thrashing, and all ranch work went forward without much interruption.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 34 stations, was 61.5°. The mean for the 21 stations having ten or more years' record was 1.1° above normal. The highest recorded was 105°, at Logandale on the 3d; the lowest was 20°, at Potts on the 22d. The greatest daily range was 64°, at Quinn River Ranch on the 24th. The highest monthly mean was 76.1°, at Logandale; the lowest was 49.3°, at Vya.

PRECIPITATION.

The average for 45 stations reporting was 0.66 inch. For the 26 stations having ten or more years' record, the mean was 0.29 inch above the normal. The average amount at 4 stations in the Columbia Basin was 1.16 inches; at 15 stations in the Humboldt Basin, 0.63 inch; at 2 stations in the Truckee Basin, 0.44 inch; at 3 stations in the Carson Basin, 0.51 inch; at 4 stations in the Walker Basin, 0.62 inch; at 1 station in the Colorado Basin, 1.48 inches; at 16 stations in the minor basins, 0.59 inch. The greatest monthly fall was 1.97 inches at San Jacinto; the least was a trace at Potts and Sulphur. The average number of days with precipitation was 3.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric pressure (sea level).			Mean relative humidity		Wind.			
						Average hourly velocity	Max velocity.		
	Mean.	Highest.	Lowest.	5 a. m.	5 p. m.		Miles per hour.	Direction.	Date.
Reno	29.86	30.30	29.56	59	24	7.0	35	w.	27
Winnemucca	29.90	30.31	29.53	55	26	6.2	31	nw.	27
Tonopah	29.86	30.21	29.44	48	21	10.7	34	se.	-

SUNSHINE AND CLOUDINESS.

At Reno, 86 per cent of the possible sunshine was recorded; at Winnemucca, 89 per cent; at Tonopah, 88 per cent. For the State, the average number of clear days was 19; partly cloudy, 6; cloudy, 5.

MISCELLANEOUS PHENOMENA.

(Dates of).

Brisk winds.—3, 4, 7, 9, 17, 26, 27, 28.

Killing frosts.—4, 14, 21, 22, 23, 24, 25, 29, 30.

Hail.—29, 30.

Thunderstorms.—2, 3, 16, 17, 27, 28, 29, 30.

Sand storm.—27.

COMPARATIVE DATA FOR SEPTEMBER.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	61.7	110	13	0.16	0	1	22	4	4	sw.
1890	64.2	110	18	0.81	0	3	17	6	7	s.
1891	58.9	98	5	0.94	0.2	5	15	7	8	sw.
1892	62.8	109	15	0.09	0	1	20	5	5	sw.
1893	57.5	99	16	0.51	T.	3	16	7	7	sw.
1894	58.8	96	10	0.35	0.6	2	21	4	5	w.
1895	59.9	106	0	0.27	0.3	1	20	4	3	w.
1896	58.3	102	15	0.35	T.	2	17	7	6	sw.
1897	60.4	105	21	0.16	0	1	18	7	5	w.
1898	61.1	97	18	0.20	T.	1	22	4	4	w.
1899	63.0	98	24	0.05	0	0	24	3	3	w.
1900	56.1	99	17	0.30	0.4	2	19	5	6	sw.
1901	56.2	95	20	0.39	2.2	2	21	5	4	sw.
1902	61.7	113	10	0.21	0.2	2	19	5	6	sw.
1903	60.2	114	17	0.18	T.	1	22	5	3	sw.
1904	60.4	103	19	0.93	0.1	4	17	5	8	s.
1905	61.1	103	19	0.51	0.7	1	19	5	6	sw.
1906	60.2	103	18	0.30	T.	2	20	6	4	w.
1907	59.9	108	12	0.35	0.4	2	20	6	4	s.
1908	59.8	108	6	0.82	0	3	17	7	6	w.
1909	60.8	100	16	0.73	0	3	16	8	6	w.
1910	61.5	108	20	0.73	0	2	21	4	5	w.
1911	57.5	107	10	0.35	0	1	19	6	5	w.
1912	56.6	98	8	0.36	0.4	2	20	5	5	w.
1913	61.4	107	10	0.46	T.	1	21	6	3	w.
1914	58.9	103	17	0.45	0.3	2	19	7	4	sw.
1915	60.7	104	19	0.48	0.1	2	22	5	3	w.
1916	61.6	106	16	0.32	T.	1	24	4	2	sw.
1917	61.2	105	21	0.22	T.	1	20	6	4	sw.
1918	62.6	104	26	1.35	0	5	14	8	8	s.
1919	61.5	105	20	0.66	T.	3	19	6	5	w.
Entire period	60.2	114	0	0.44	0.2	2	19	6	5	w.

Climatological data for September, 1919.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days.				Prevailing direction of the wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	....	....	....	....	....	....	....	....	6	1.60	....	0.78	T.	10	18	6	6	nw.	U. S. Forest Service.
Mahoney Ran. Sta**	do	6,200	4	....	....	....	....	....	....	....	4	....	....	....	....	....	....	....	....	....	Do.
Owyhee	do	5,400	8	56.8[b]	....	84[b]	16	26[b]	13	50[b]	8	0.60	....	0.18	0	5	23	5	2	n.	E. A. Schwab.
San Jacinto	do	5,200	14	57.1	+2.9	85	10	27	23	54	14	1.97	+1.30	0.62	0	5	17	4	9	n.	Utah Construction Co.
Tuscarora (near)	do	....	....	....	....	....	....	....	....	....	11	0.45	....	0.37	0	3	11	11	8	w.	D. B. Williams.
Humboldt Basin.																					
Arthur	Elko	6,500	....	....	....	....	....	....	....	....	9	1.33	+0.61	0.53	0	4	24	5	1	....	Isaac Woodhouse.
Austin	Lander	6,594	30	66.8[c]	+7.8	96[f]	3	39[d]	†5	43[d]	30	0.74	+0.36	0.42	T.	3	18	3	9	w.	Forest Service.
Battle Mountain	do	4,513	48	....	....	99	3	....	....	....	50	0.06	−0.24	0.02	0	3	14	5	11	w.	Southern Pacific Co.
Beowawe	Eureka	4,695	48	61.0	−0.8	90	1	36	†27	47	50	....	....	....	0	....	11	1	18	nw.	Do.
Clover Valley**	Elko	6,000	18	59.6	+2.0	88	12	32	22	48	26	1.58	+1.04	0.60	0	6	16	8	5	....	J. D. Weeks.
Elko	do	5,063	48	58.6	+1.7	89	†10	27	6	59	49	0.15	−0.29	0.15	0	1	17	11	2	sw.	Western Pacific Co.
Eureka	Eureka	6,837	21	....	....	....	....	....	....	....	23	....	....	....	....	....	....	....	....	....	....
Golconda	Humboldt	4,392	40	59.2	−0.5	88	10	31	21	47	42	0.19	−0.11	0.10	0	3	10	20	0	w.	Southern Pacific Co.
Hylton **	Elko	7,081	....	....	....	....	....	....	....	....	9	1.19	....	0.45	0	3	22	7	1	se.	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	6	59.4	−1.8	88	10	30	21	48	6	0.25	+0.01	0.13	0	3	12	18	0	w.	Southern Pacific Co.
Lamoille	Elko	6,100	4	56.4[c]	....	83[c]	14	31[c]	22	45[e]	4	0.83	+0.46	0.26	0	7	20	8	2	se.	Elko-Lamoille Power Co.
Lovelock	Pershing	3,977	25	....	....	....	....	....	....	....	23	0.49	+0.24	0.49	0	1	....	....	....	....	Harold W. B. Baker.
Metropolis §	Elko	5,661	6	57.6	....	82	10	32	25	46	10	1.37	+1.18	0.38	0	5	20	8	2	w.	L. F. Hatch.
North Fork	do	6,500	....	....	....	....	....	....	....	....	10	0.70	....	0.50	0	2	17	5	8	s.	Roy C. Pratt.
Paradise Valley	Humboldt	4,500	6	....	....	....	....	....	....	....	10	....	....	....	....	....	....	....	....	....	F. C. Buckingham.
Potts	Nye	6,002	26	61.3	+5.9	91	10	20	22	60	28	T.	−0.30	T.	0	0	15	5	10	s.	Miss Irene Potts.
Tecoma	Elko	4,812	41	59.8	+0.6	97	1	25	22	53	43	0.16	−0.22	0.05	0	5	15	11	4	w.	Southern Pacific Co.
Winnemucca	Humboldt	4,344	42	59.4	−1.1	87	15	30	24	56	50	0.40	+0.06	0.38	0	3	21	7	2	ne.	U. S. Weather Bureau.
Truckee Basin.																					
Marlette Lake**	Washoe	7,900	4	50.4	....	74	†23	30	†12	38	2	0.47	....	0.39	1.0	2	27	1	2	sw.	V. & G. H. Water Co.
Reno	do	4,532	32	59.5	−0.2	88	24	36	12	47	6	0.40	+0.13	0.39	0	2	22	4	4	w.	U. S. Weather Bureau.
Tahoe, Cal.	....	6,230	11	52.9	....	78	†2	29	17	45	32	0.41	....	0.21	T.	3	20	5	5	s.	Arthur L. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	25	60.7	−0.2	89	†3	33	23	54	25	0.73	+0.54	0.73	0	1	21	6	3	w.	U.S. Experiment Station.
Lahontan **	do	4,200	7	65.0	....	86	†2	38	28	35	9	0.40	....	0.40	0	1	24	1	5	ne.	U.S. Reclamat'n Service.
Minden	Douglas	4,730	28	58.5[g]	−2.2	86[g]	1	31[g]	†14	54[g]	29	0.39	+0.16	0.39	0	1	17[g]	4[g]	2[g]	....	Forest Service.
Markleeville, Cal.	....	5,525	....	....	....	....	....	....	....	....	10	0.60	....	0.60	0	1	25	6	1	s.	Mrs. Mary Thornburg.
Walker Basin.																					
Mina §	Mineral	4,350	12	66.4	+0.3	93	17	38	†23	51	23	0.71	+0.40	0.51	0	2	25	0	5	....	Southern Pacific Co.
Smith	Lyon	4,800	....	....	....	....	....	....	....	....	11	0.16	....	0.34	0	2	19	8	3	sw.	C. M. Carter.
Thorne §	Mineral	4,200	6	....	....	....	....	....	....	....	6	1.00	+0.79	0.70	0	2	24	2	4	nw.	Southern Pacific Co.
Yerington §	Lyon	4,375	10	62.2	+2.4	92[a]	†2	30	†23	62[a]	10	0.33	+0.07	0.18	0	2	21	6	3	n.	W. H. Churchyard.
Shields Ranch, Cal.**	....	5,300	....	....	....	....	....	....	....	....	10	0.17	....	0.17	0	1	28	1	1	....	Bruce H. Chichester.
Colorado Basin.																					
Indian Springs §**	Clark	3,136	5	....	....	....	....	....	....	....	5	....	....	....	....	....	....	....	....	....	Ira MacFarland.
Las Vegas	do	2,033	17	....	....	....	....	....	....	....	17	....	....	....	....	....	....	....	....	....	C. P. Squires.
Logandale §	do	1,355	12	76.1°	−0.9	105°	3	51°	25	45°	20	1.48	+1.03	1.03	0	3	10°	3°	2°	....	Bert Mills.
Minor Basins.																					
Beatty	Nye	3,309	3	71.4	....	99	14	46	†13	52	3	0.06	....	0.06	0	1	22	5	3	s.	E. E. Palmer.
Duck Flat **	Washoe	4,725	....	....	....	....	....	....	....	....	5	0.71	....	0.37	0	3	22	5	3	w.	C. T. Smith.
Gerlach	do	3,931	7	....	....	95	23	....	....	....	7	0.25	....	0.25	0	1	16	0	14	w.	Western Pacific Co.
Goldfield	Esmeralda	5,700	12	63.0	−0.4	85	†1	36	30	41	14	0.09	−0.79	0.09	0	1	27	3	0	s.	R. G. Jones.
Jungo	Humboldt	4,165	....	....	....	....	....	....	....	....	6	0.30	....	0.30	0	1	24	1	5	w.	Western Pacific Co.
Lemmons Valley**	Washoe	5,000	....	....	....	....	....	....	....	....	5	....	....	....	....	....	....	....	....	....	W. J. Webster.
McDermitt	Humboldt	4,700	8	62.0	+1.0	90	†1	28	21	48	32	0.97	+0.63	0.72	0	3	5	21	4	sw.	U. S. Indian Service.
McGill §	White Pine	6,338	9	62.2	+6.7	85	13	33	22	46	9	1.33	+0.68	0.50	T.	7	18	5	7	s.	R. E. Middagh.
Millett	Nye	5,040	11	55.0	−2.0	87	17	24	23	57	12	0.51	−0.12	0.25	0	4	20	5	5	s.	Fred J. Jones.
Pahrump	Nye	2,608	5	....	....	....	....	....	....	....	5	....	....	....	....	....	....	....	....	....	F. M. Buol.
Quinn Riv. Ranch **††	Humboldt	4,850	17	58.9[c]	+1.9	91[c]	16	23[c]	24	64[c]	18	0.26	−0.08	0.21	0	2	18	1	11	w.	F. M. Payne.
Rebel Creek	do	4,300	7	60.4	....	86	25	34	†22	46	8	0.70	....	0.50	0	4	17	9	4	sw.	Fred Whitaker.
Sand Pass **	Washoe	4,198	6	62.1	....	88	15	37	5	46	6	0.50	....	0.24	0	4	20	3	7	w.	R. R. Mott.
Searchlight	Clark	3,445	6	75.8	....	95	†3	52	30	30	6	0.86	....	0.52	0	3	23	4	3	s.	C. L. Aug. Mahn.
Sharp	Nye	6,200	5	63.3	....	90	†1	32	21	45	5	0.78	....	0.45	0	3	20	0	10	se.	Pauline F. Youngs.
Sulphur	Pershing	4,044	6	71.5	....	101	†1	32	28	55	6	T.	....	T.	0	0	19	9	2	s.	Western Pacific Co.
Tonopah	Nye	6,090	14	63.0	....	82	13	33	30	32	14	0.39	....	0.35	T.	3	20	10	0	se.	U. S. Weather Bureau.
Vya	Washoe	5,500	....	49.3	....	83	23	22	22	59	6	1.74	....	0.80	0	5	....	....	....	....	L. A. Mariette.
For the State			....	61.5	+1.1	105	3	20	22	64	....	0.66	+0.29	1.03	T.	3	19	6	5	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Mahoney Ranger Station, Jarbridge; of Clover Valley, Wells; of Hylton, Lee; of Marlette Lake, Virginia City; of Lahontan, Hazen; of Shields Ranch, Coleville, Cal.; of Duck Flat, Sunkist; of Lemmons Valley, Reno; of Quinn River Ranch, Amos; of Sand Pass, Flanigan.

Reference letters, [a], [b], [c], appearing in the table indicate number of days missing, for example, [b] represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for September, 1919.

Stations.	Day of month																															Total.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia Basin.																																
Gold Creek (near)	.03	.05	.08	....	.02	....	T.	....	....	....	....	....	.03	....	....	.48	.04	....	.06	....	....	....	....	.03	....	....	....	....	....	.78	....	1.60
Mahoney Ranger Station ‖	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
Owyhee	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.18	.16	.08	....	....	....	....	....	....	....	....	....	....	.15	.03	....	0.60
San Jacinto	.16	....	.41	....	....	....	.61	....	....	....	....	....	....	....	....	....	.62	....	....	....	....	....	....	....	....	....	....	....	.17	....	....	1.97
Tuscarora (near)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.37	....	....	....	....	....	....	....	....	....	....	....	....	.07	.01	....	0.45
Humboldt Basin.																																
Arthur	.16	....	.18	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.46	.53	....	1.33
Austin	.42	....	T.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.28	.05	....	0.75
Battle Mountain	....	T.	....	....	....	....	....	....	....	....	....	....	....	....	....	T.	....	....	....	....	....	....	....	....	....	....	....	.02	.02	.02	....	0.06
Beowawe	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Clover Valley	.30	....	.60	....	....	.13	....	....	....	....	....	....	....	....	....	.08	....	....	....	....	....	....	....	....	....	....	....	....	.24	.23	....	1.58
Elko	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	T	....	....	....	....	....	....	....	....	....	....	....	T.	....	.15	....	0.15
Eureka	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
Golconda	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.01	....	....	....	....	....	....	....	....	....	....	....	....	.08	.10	....	0.19
Hylton	.43	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	T.	....	.45	.31	....	1.19
Imlay	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.02	....	....	....	....	....	....	....	....	....	....	....	....	.10	.13	....	0.25
Lamoille ‖	....	.26	....	.02	....	.05	....	....	....	....	....	....	....	....	....	....	.18	....	....	....	....	....	....	....	....	....	....	.05	.15	.12	....	0.83
Lovelock	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.49	....	0.49
Metropolis ‖	.28	.11	....	....	....	....	....	....	....	....	....	....	....	....	....	.28	T.	....	....	....	....	....	....	....	....	....	....	....	.32	.38	....	1.37
North Fork	....	.20	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.50	....	....	0.70
Paradise Valley	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Potts	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	T.	T.	....	T.
Tecoma	.03	....	.05	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	*	*	.08	....	....	0.16
Winnemucca***	....	....	....	....	....	T.	....	....	....	....	....	....	....	....	....	.08	....	....	....	....	....	....	....	....	....	....	....	T.	.11	.21	....	0.40
Truckee Basin.																																
Marlette Lake ‖	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.08	.39	....	0.47
Reno ***	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.03	.37	....	....	0.40
Tahoe, Cal. ‖	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.02	.18	.21	....	0.41
Carson Basin.																																
Fallon ‖	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.73	....	0.73
Lahontan	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	T.	T.	.40	....	0.40
Minden	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.39	....	....	0.39
Markleeville, Cal	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.60	....	....	0.60
Walker Basin.																																
Mina	.20	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.51	....	0.71
Smith	T.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.34	.12	....	0.46
Thorne	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.70	.30	....	1.00
Yerington	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.15	.18	....	0.33
Shields Ranch, Cal	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	T.	.17	....	0.17
Colorado Basin.																																
Indian Springs ‖	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Las Vegas	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Logandale	1.03	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.05	....	.40	....	....	1.48
Minor Basins.																																
Beatty	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.06	....	0.06
Duck Flat	....	....	....	....	....	....	....	.37	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.30	.04	....	0.71
Gerlach	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	T.	.25	....	0.25
Goldfield	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.09	....	0.09
Jungo	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.30	....	....	0.30
Lemmons Valley	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
McDermitt	....	....	....	....	....	.10	....	....	....	....	....	....	....	....	....	.15	....	....	....	....	....	....	....	....	....	....	....	....	....	.72	....	0.97
McGill	....	T.	.10	....	....	....	....	....	....	....	....	....	....	....	.18	....	....	....	....	....	....	....	....	....	....	.08	.50	.35	.02	.10	....	1.33
Millett	.25	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.09	.07	.10	....	0.51
Pahrump	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Quinn River Ranch	....	....	....	....	....	.05	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.21	....	0.26
Rebel Creek	....	....	....	....	....	.04	....	....	....	....	....	....	....	....	....	.10	.06	....	....	....	....	....	....	....	....	....	....	....	....	.50	....	0.70
Sand Pass	....	....	....	....	....	....	....	.09	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.09	.24	.08	....	0.50
Searchlight	....	....	....	....	....	....	....	....	....	....	....	....	....	T.	....	....	....	....	....	....	....	....	....	....	....	.12	.22	.52	....	....	....	0.86
Sharp	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.28	....	.45	.05	....	0.78
Sulphur	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	T.	....	....	T.
Tonopah***	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.15	.20	....	.04	T.	....	0.39
Vya ‖	....	....	....	....	.01	....	....	....	....	.50	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.03	....	.80	.25	.15	....	1.74

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. ‡Separate dates of falls not recorded.

Daily evaporation (inches) and wind movement (miles) for September, 1919.

(See temperature and precipitation data in climatological tables, pages 68 to 70.)

Stations.	Data.	Day of month.																															Monthly.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Indian Springs*	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Wind movement	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Lamoille*	Evaporation	.082	.170	.143	.227	.348	.316	.198	‡	‡	.402	.036	.374	.136	.217	.248	.211	.272	.060	.160	.143	.215	.243	.034	.385	.092	.338	.212	.215	.014	....	....	5.680
	Wind movement	80	70	40	70	80	85	65	‡	‡	100	70	50	40	40	60	60	55	25	40	50	50	50	50	70	70	70	80	50	40	32	....	1,642
Marlette Lake*	Evaporation	.379	.134	.360	.157	.266	.370	.209	.036	.266	.177	.203	.201	.215	.234	.267	.238	.210	.160	.240	.338	.107	.209	.202	.242	.322	.208	.279	.061	.148	....	....	6.600
	Wind movement	116	55	106	75	114	163	131	79	85	73	81	126	62	90	66	62	108	69	95	75	69	62	90	93	75	61	181	152	51	15	....	2,680
Tahoe, Cal. ** ÷	Evaporation	.080	.150	.180	.180	.210	.180	.240	.250	.240	.320	.310	.230	.180	.090	.270	.080	.310	.210	.170	.270	.090	.150	.250	.090	.130	.210	.230	.300	.250	.190	....	6.040
	Wind movement	23	15	83	112	101	91	91	108	103	90	62	94	53	114	6	64	83	139	88	120	100	26	51	99	12	57	61	87	79	115	....	2,327

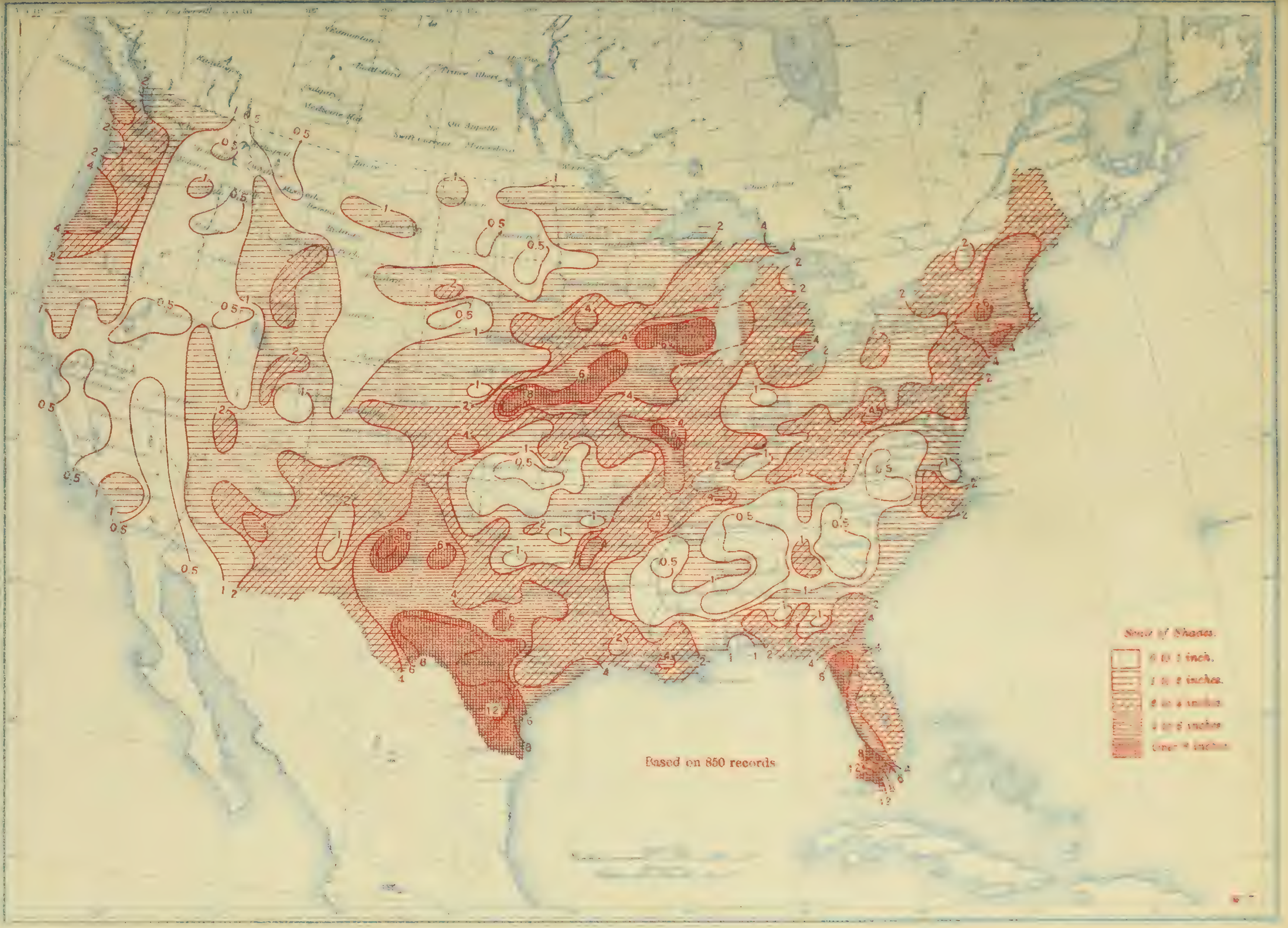
* Observations taken at 7 a. m.; ** at 8 a. m. ‡ Included in next following entry. ÷ Readings made in standard pan exposed on float in lake.

Daily temperatures for September, 1919.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Owyhee	Maximum	80	80	....	....	75	66	71	75	79	86	78	71	74	84	80	84	64	71	73	69	64	74	78	82	83	79	75	64	64	66	....	74.6
	Minimum	47	53	....	....	43	40	34	39	44	60	47	28	26	34	40	51	41	37	35	40	28	30	35	32	33	41	54	29	37	34	....	39.0
San Jacinto	Maximum	82	81	81	83	75	66	70	79	80	85	84	72	71	83	76	80	79	68	72	72	70	72	80	82	82	80	76	65	60	58	....	75.5
	Minimum	52	51	45	45	37	43	42	44	36	40	57	36	29	30	45	38	48	39	31	29	32	28	27	28	30	33	47	42	40	36	....	38.7
Humboldt Basin.																																	
Austin	Maximum	92	93	96	93	78	76	78	79	90	89	87	84	80	....	82	88	84	78	80	87	87	84	80	84	81	78	72	....	72	54	....	82.4
	Minimum	58	56	55	50	39	39	42	46	53	49	48	52	51	....	61	65	62	52	55	55	52	52	48	51	52	48	44	....	....	....	....	51.3
Battle Mountain	Maximum	98	98	99	85	80	82	85	86	89	92	87	81	84	90	92	91	79	79	80	82	84	85	85	87	89	83	78	78	78	58	....	84.8
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Clover Valley	Maximum	77	78	80	77	81	82	79	83	79	86	84	88	77	83	76	75	74	71	78	77	69	78	71	81	80	79	67	64	60	63	....	76.6
	Minimum	53	50	44	46	46	40	39	38	47	47	57	74	36	38	52	50	45	39	39	40	37	32	34	33	34	41	40	37	36	38	....	42.7
Elko	Maximum	88	86	85	83	82	80	82	84	86	89	84	85	85	88	89	84	75	76	79	79	85	77	82	85	87	86	86	77	75	71	....	82.7
	Minimum	41	43	40	38	34	27	30	33	41	42	44	35	31	32	33	39	39	38	36	34	32	30	28	28	28	29	30	33	33	33	....	34.5
Eureka	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Imlay	Maximum	85	84	84	72	79	69	70	79	85	88	80	73	79	81	82	75	79	76	79	77	78	75	79	81	82	84	79	65	63	64	....	77.5
	Minimum	56	55	41	34	36	41	49	45	44	50	43	44	41	43	40	40	39	42	41	40	30	35	33	39	38	54	34	40	40	36	....	41.4
Lamoille§§	Maximum	79	79	79	71	59	76	....	....	65	81	64	74	64	83	72	80	76	69	59	72	76	70	73	71	70	77	68	60	65	....	....	71.1
	Minimum	....	44	47	51	39	36	48	....	....	44	52	41	38	38	41	48	42	42	42	45	34	31	33	38	47	47	51	37	34	39	....	41.8
Lovelock	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Metropolis	Maximum	70	71	76	80	80	75	72	78	78	82	82	81	77	77	72	71	71	68	67	65	67	69	77	79	79	76	76	68	68	67	....	74.0
	Minimum	53	51	51	51	40	40	41	42	42	50	57	34	34	36	38	50	46	38	39	38	37	37	41	33	32	35	36	36	37	40	....	41.2
Paradise Valley	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Potts	Maximum	89	88	90	90	89	87	89	90	89	91	90	89	87	87	85	87	89	88	88	86	84	80	81	83	85	84	85	86	87	89	....	87 1
	Minimum	40	40	41	40	38	38	39	41	40	40	39	37	39	38	36	36	37	37	36	34	25	20	22	29	33	34	34	35	33	34	....	35.5
Tecoma	Maximum	97	88	84	83	89	86	79	77	82	89	90	90	82	86	80	79	85	80	80	77	80	78	76	80	76	89	85	83	74	64	....	81.5
	Minimum	56	53	46	42	41	37	36	35	36	48	47	45	35	38	34	35	44	37	36	34	30	25	27	29	30	38	39	36	32	42	...	38.1
Winnemucca	Maximum	85	87	85	75	75	68	73	75	80	86	78	74	77	85	87	81	68	76	79	80	70	75	84	86	86	82	76	68	66	53	....	77.3
	Minimum	47	48	43	40	37	46	44	45	41	42	52	41	40	37	38	50	39	38	42	39	43	39	37	30	34	44	47	32	42	44	....	41.4
Truckee Basin.																																	
Marlette Lake§§	Maximum	71	69	65	57	58	55	57	59	67	68	58	64	69	70	71	65	60	64	68	72	66	69	74	74	71	65	56	48	42	36	....	62.9
	Minimum	38	43	42	40	36	39	32	39	34	39	42	30	33	37	40	39	31	36	46	38	38	34	36	41	44	44	46	37	32	30	....	37.9
Reno	Maximum	86	86	79	70	74	68	66	72	79	84	72	75	81	85	86	76	73	78	83	83	75	77	86	88	84	79	69	58	51	54	....	75.9
	Minimum	44	49	45	44	38	49	44	44	44	47	45	36	39	42	43	47	39	43	45	44	45	38	39	41	46	42	46	44	41	41	....	43.1
Tahoe, Cal.§§	Maximum	77	78	72	64	69	61	62	66	72	75	74	74	76	75	76	71	69	72	76	78	74	74	72	76	78	74	62	51	43	44	....	69.5
	Minimum	38	35	36	38	30	41	34	40	40	38	44	40	39	30	33	37	29	35	44	36	38	35	33	35	36	33	37	39	34	31	....	36.3
Carson Basin.																																	
Fallon§§	Maximum	88	87	89	83	84	75	77	79	80	88	81	76	80	85	88	87	75	79	83	85	77	77	83	85	89	85	79	70	63	60	....	80.6
	Minimum	50	49	45	41	35	40	41	38	45	46	49	38	37	39	42	41	38	43	40	42	45	35	33	35	35	40	45	34	40	44	....	40.8
Lahontan§§	Maximum	84	86	86	81	82	73	73	77	78	85	80	75	79	83	86	83	74	78	81	83	76	76	81	84	86	84	77	69	62	60	....	78.7
	Minimum	59	61	57	51	45	47	46	45	54	55	60	48	48	50	54	53	61	50	54	58	52	44	46	49	53	51	54	38	46	43	.. .	51.2
Minden	Maximum	86	84	82	....	....	....	....	....	....	....	84	74	79	85	85	80	75	75	80	82	81	79	82	85	83	79	75	65	58	58	....	78.0
	Minimum	45	51	37	....	....	....	....	....	....	....	38	32	32	31	32	44	31	34	31	36	36	35	33	54	54	33	55	47	40	34	....	39.0
Walker Basin.																																	
Mina	Maximum	90	89	90	92	88	86	85	87	89	89	90	91	88	89	90	90	93	77	82	90	90	85	88	90	89	85	84	74	68	63	....	68.0
	Minimum	55	56	49	49	51	50	51	50	46	47	49	47	46	45	44	47	47	52	51	53	48	46	38	39	41	42	51	38	38	38	....	46.8
Thorne	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Yerington	Maximum	90	92	90	88	89	80	80	88	89	92	88	82	85	89	90	89	87	81	85	87	89	84	90	92	90	89	78	71	60	....	....	85.7
	Minimum	45	42	46	45	33	44	39	37	38	40	50	36	39	36	40	37	36	38	39	38	39	33	30	30	31	33	52	39	39	38	....	38.7
Colorado Basin.																																	
Indian Springs§§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Las Vegas	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Logandale	Maximum	82	96	105	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	97	99	96	90	92	99	96	88	76	83	77	78	....	90.3
	Minimum	66	71	75	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	63	59	58	64	66	57	51	59	61	61	60	57	....	61.9
Minor Basins.																																	
Beatty	Maximum	96	98	97	96	94	93	86	91	90	95	92	88	98	99	97	95	94	88	87	85	92	93	83	84	92	88	86	81	78	70	....	90.2
	Minimum	56	57	52	52	60	66	50	50	49	54	49	52	46	51	52	53	53	56	56	57	58	54	48	47	47	50	59	49	47	46	....	52.5
Gerlach	Maximum	88	88	81	78	75	77	67	74	74	87	85	76	80	85	86	87	82	86	85	91	84	81	95	87	87	86	89	84	63	67	....	81.8
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Goldfield	Maximum	85	85	85	85	82	80	73	76	78	80	83	80	84	82	82	83	75	72	77	81	79	78	80	82	81	80	70	65	60	54	....	77.9
	Minimum	58	51	57	58	42	50	45	50	55	56	52	42	43	51	55	56	45	46	46	45	51	40	40	45	47	46	40	48	47	36	....	48.1
McDermitt	Maximum	90	87	86	74	69	70	71	78	79	86	88	88	90	86	84	80	86	84	80	84	82	83	76	74	76	79	80	80	74	72	...	78.9
	Minimum	54	52	61	50	42	42	37	39	42	38	40	41	42	54	60	64	54	60	64	60	56	54	36	28	38	40	40	39	41	40	...	45.0
McGill	Maximum	76	78	82	84	80	79	74	78	81	83	84	83	85	84	78	81	79	72	78	80	78	70	80	82	84	80	74	64	59	55	....	77.5
	Minimum	51	49	54	52	45	57	57	59	50	49	52	46	43	45	51	50	50	45	46	42	43	33	34	39	43	54	47	43	40	37	....	46.9
Millett	Maximum	84	82	84	86	82	75	75	79	81	84	85	81	84	85	85	85	87	71	77	81	75	77	81	84	84	80	78	67	63	54	....	79.2
	Minimum	50	50	45	53	35	40	34	54	49	47	56	36	32	33	40	59	39	41	45	37	45	29	24	27	28	34	43	46	39	38	....	40.9
Rebel Creek	Maximum	85	84	80	75	75	70	75	76	78	82	80	72	75	82	75	78	70	70	72	78	75	80	83	85	86	80	78	75	65	60	....	76.7
	Minimum	43	51	49	47	38	45	41	48	43	47	50	38	43	39	47	53	47	47	51	45	45	34	43	42	46	45	40	39	39	34	....	44.0
Sand Pass	Maximum	84	87	83	74	76	72	64	73	78	86	75	76	81	86	88	78	77	83	84	86	78	81	85	87	87	83	74	68	60	59	....	78.4
	Minimum	45	50	42	49	37	50	38	41	41	48	55	39	41	45	45	46	45	68	54	49	45	48	40	41	48	50	48	45	39	41	....	45.8
Searchlight	Maximum	88	91	95	95	92	87	82	85	88	92	91	95	95	95	94	94	92	85	87	95	89	82	85	89	88	79	69	72	69	69	....	87.1
	Minimum	68	65	69	71	71	65	63	63	63	66	68	70	69	67	69	67	67	63	67	65	67	60	65	69	61	61	57	55	54	52	....	64.6
Sharp	Maximum	90	88	90	87	90	86	87	75	80	82	81	83	83	82	84	86	88	90	89	83	77	73	77	78	74	66	68	63	55	50	....	79.5
	Minimum	56	60	58	59	54	52	42	44	46	47	48	47	46	44	48	49	50	49	47	44	32	37	42	44	52	47	48	34	39	38	....	47.1
Sulphur	Maximum	101	100	98	97	99	101	100	98	97	96	95	94	93	92	91	90	91	92	91	90	89	89	89	91	90	89	88	87	85	80	....	92.8
	Minimum	59	58	56	56	57	54	56	54	53	52	51	50	49	50	51	51	52	53	51	54	52	50	51	51	50	50	35	32	35	34	....	50.2
Tonopah	Maximum	80	78	78	80	79	75	68	73	75	77	80	76	82	80	81	80	72	69	77	80	77	76	77	80	78	75	65	60	57	45	....	74.3
	Minimum	56	56	59	52	47	50	45	50	55	57	56	48	54	61	60	57	49	45	52	54	53	52	56	54	53	52	49	43	42	33	....	51.7
Vya	Maximum	72	76	72	68	70	64	64	73	74	61	60	61	62	71	62	66	65	68	71	74	69	81	83	70	72	62	70	60	52	58	....	67.7
	Minimum	33	32	30	27	36	32	39	29	31	36	25	30	36	43	37	27	24	29	26	32	24	22	26	27	30	29	39	33	31	33	....	30.9

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Total Precipitation, Inches, September, 1919.



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UNIVERSITY OF ILLINOIS
URBANA

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

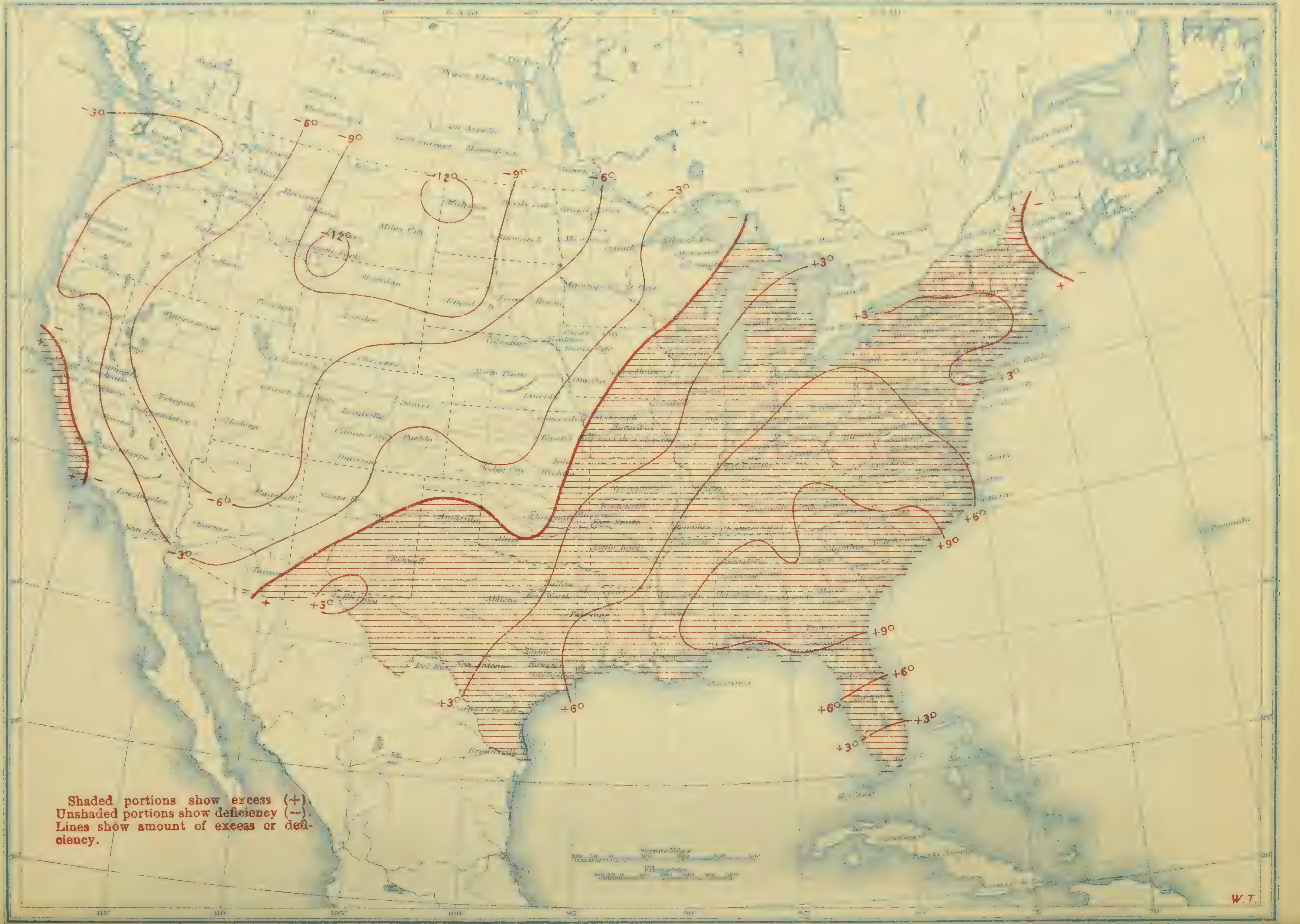
NEVADA SECTION

OCTOBER, 1919

BY
HENRY F. ALPS
METEOROLOGIST

RENO, NEV.
WEATHER BUREAU OFFICE
NOVEMBER 19, 1919.

Departures of the Mean Temperature from the Normal, October, 1910



Shaded portions show excess (+).
Unshaded portions show deficiency (—).
Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALPS, Meteorologist.

Vol. XXXIV. Reno, Nevada, October, 1919. No. 10.

GENERAL SUMMARY.

The month averaged colder in Nevada than any other October since state-wide records were started in 1890. The mean temperature was the lowest on record for October at all regular Weather Bureau stations, the minus departures from normal ranging from 5° to 8°. The records cover a period of 41 years at Winnemucca, 32 years at Reno, 14 years at Tonopah, and 19 years at Modena, Utah, which is only a few miles from the eastern boundary of Lincoln County. The monthly minimum temperature for the State, 5° below zero at Metropolis on the 31st, equals the lowest previous record which occurred in October, 1895. A cold period occurred during the first few days of the month when killing frosts formed generally in the northern three-fourths of the State. Another cold period extended through the last week of the month when killing frosts occurred in the extreme south portion.

The precipitation averaged about normal for the entire State. It occurred generally during the first two days and the last nine days of the month, although moderate amounts fell in Elko County on the 14th. The driest areas were in the southwest and west portions, where the precipitation was much below normal. The northeast section received the heaviest precipitation; mountain stations in Elko County recorded from one to more than three inches. The monthly amounts ranged from no moisture at four stations in western Counties to 3.47 inches at Gold Creek in the north-central portion of Elko County. The average snowfall was 3.2 inches which is unusually high for the month. The greatest monthly amount at any station was 26.0 inches at Gold Creek.

The thrashing of wheat was completed, and the yields were reported as somewhat lower than normal. Potato digging continued, and practically the entire crop was in storage or being shipped by the end of the month. The quality was high, but yields were below the average. Early sown barley and wheat were coming up well in the extreme south portion. Pastures were generally poorer than usual on account of the dry season. Cattle and sheep were reported to be in fair to good condition.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 38 stations, was 44.4°. The mean for the 24 stations having ten or more years' record was 5.8° below normal. The highest recorded was 87°, at Logandale on the 11th and at Beatty on 18th; the lowest was —5°, at Metropolis on the 31st. The greatest daily range was 60°, at Battle Mountain on the 15th. The highest monthly mean was 61.6°, at Las Vegas; the lowest was 36.1°, at Metropolis and Potts.

PRECIPITATION.

The average for 51 stations reporting was 0.64 inch. For the 28 stations having ten or more years' record, the mean was 0.06 inch below the normal. The average amount at 4 stations in the Columbia Basin was 2.42 inches; at 16 stations in the Humboldt Basin, 0.80 inch; at 2 stations in the Truckee Basin, 1.30 inches; at 3 stations in the Carson Basin, 0.11 inch; at 4 stations in the Walker Basin, 0.02 inch; at 2 station in the Colorado Basin, 0.24 inch; at 17 stations in the minor basins, 0.36 inch. The greatest monthly fall was 3.47 inches at Gold Creek; there was none at four stations. The average number of days with precipitation was 3.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric pressure (sea level).			Mean relative humidity.		Wind.			
	Mean.	Highest.	Lowest.	5 a. m.	5 p. m.	Average hourly velocity.	Max. velocity.		
							Miles per hour.	Direc.	Date.
Reno	30.02	30.46	29.58	75	42	5.9	32	w.	23
Winnemucca	30.09	30.55	29.59	79	46	5.6	30	nw.	17
Tonopah	30.00	30.54	29.49	51	32	7.7	44	nw.	29

SUNSHINE AND CLOUDINESS.

At Reno, 82 per cent of the possible sunshine was recorded; at Winnemucca, 75 per cent; at Tonopah, 95 per cent. For the State, the average number of clear days was 19; partly cloudy, 6; cloudy, 6.

MISCELLANEOUS PHENOMENA.

(Dates of).

Brisk winds.—1, 3, 17, 18, 23, 29, 30.
Hail.—1, 2.
Sleet.—2, 14, 23, 24, 29.
Thunderstorms.—1, 14, 24.
Sandstorm.—8.
Killing frosts.—3, 4, 5, 7.
Solar halo.—20.

COMPARATIVE DATA FOR OCTOBER.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	52.2	103	14	1.48	0.8	6	10	9	12	w.
1890	50.5	92	8	0.25	1.1	2	21	6	4	nw.
1891	51.2	88	0	0.04	0.3	0	22	5	4	s.
1892	47.5	91	2	0.32	0.2	3	15	7	9	sw.
1893	48.9	94	8	0.12	T.	1	19	6	6	sw.
1894	51.7	94	5	0.33	0.0	2	22	4	5	sw.
1895	49.9	100	−5	0.26	T.	2	21	6	4	w.
1896	50.3	94	11	0.24	0.5	1	20	6	5	w.
1897	47.1	95	9	1.71	2.5	6	15	7	9	w.
1898	45.9	86	7	0.23	0.6	2	19	5	7	w.
1899	46.3	89	4	0.72	3.9	3	15	6	10	w.
1900	47.7	82	4	0.80	0.9	3	15	7	9	sw.
1901	50.7	90	17	1.11	0.8	5	16	6	9	sw.
1902	49.8	97	13	0.26	0.7	1	20	5	6	s.
1903	51.0	90	11	0.29	T.	1	23	4	4	sw.
1904	47.8	91	6	1.20	0.1	4	17	6	8	n.
1905	45.8	96	0	0.05	0.6	0	24	4	3	n.
1906	49.9	100	1	0.10	T.	0	21	6	4	w.
1907	54.2	96	13	0.98	0.1	4	16	8	7	s.
1908	46.6	95	1	0.49	1.4	2	18	6	7	w.
1909	50.4	89	7	0.61	0.2	3	18	7	6	w.
1910	51.0	101	7	0.42	T.	3	20	5	6	w.
1911	47.7	90	6	0.36	0.1	2	21	5	5	w.
1912	45.8	88	0	1.34	4.0	5	17	6	8	w.
1913	49.8	91	5	0.28	T.	1	21	6	4	w.
1914	51.5	96	14	0.61	0.2	3	17	7	7	w.
1915	53.3	99	13	0.01	T.	0	26	3	2	sw.
1916	46.3	88	8	1.68	3.0	6	19	5	7	w.
1917	53.5	101	−1	T.	0.0	0	27	3	1	sw.
1918	53.2	98	10	0.93	0.3	4	18	6	7	n.
1919	44.4	87	−5	0.64	3.2	3	19	6	6	n.
Entire period	49.4	103	−5	0.58	0.8	3	19	6	6	w.

LATE REPORTS.

September, 1919.—Lemmons Valley, total precipitation, 0.40 inch; number of days with precipitation, 1; clear, 27; partly cloudy, 0; cloudy, 3.

Las Vegas, total precipitation 0.31 inch; number of days with precipitation 2; greatest in 24 hours 0.30 inch.

Climatological data for October, 1919.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days.				Prevailing direction of the wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek (near)	Elko	6,600	....	....	....	....	....	....	....	....	6	3.47	....	0.61	26.0	15	13	5	13	nw.	U. S. Forest Service.
Mahoney Ran. Sta.**	do	6,200	4	....	....	....	....	....	....	....	4	....	....	....	....	....	....	....	....	....	Do.
Owyhee	do	5,400	8	37.9[c]	....	66[c]	7	0[c]	31	40[c]	8	3.05	....	0.57	14.0	10	13	10	8	n.	E. A. Schwab.
San Jacinto	do	5,200	14	39.0	−4.6	68	†7	9	31	47	14	0.64	−0.05	0.34	0.5	5	18	3	10	n.	Utah Construction Co.
Tuscarora (near)	do	....	....	....	....	....	....	....	....	....	11	2.52	....	0.40	16.0	11	12	6	13	nw.	D. B. Williams.
Humboldt Basin.																					
Arthur	Elko	6,500	....	....	....	....	....	....	....	....	9	1.41	+0.19	0.69	5.7	4	21	7	3	....	Isaac Woodhouse.
Austin	Lander	6,594	30	43.8[c]	−4.8	80[a]	6	10[c]	31	52[c]	30	0.48	−0.18	0.18	5.0	5	23	2	6	e.	Forest Service.
Battle Mountain	do	4,513	48	43.1[n]	−6.6	75[n]	14	12[n]	15	60[n]	50	0.03	−0.43	0.02	T	2	19	0	12	w.	Southern Pacific Co.
Beowawe	Eureka	4,695	48	43.2	−6.3	70	†1	18	17	39	50	0.02	−0.47	0.02	0.2	1	11	12	8	sw.	Do.
Clover Valley**	Elko	6,000	18	40.0	−7.1	69	8	8	28	42	26	1.34	+0.54	0.35	6.0	5	15	6	10	....	J. D. Weeks.
Elko	do	5,063	48	41.4	−3.6	73	12	7	31	50	49	0.80	−0.05	0.35	6.0	4	19	5	7	sw.	Western Pacific Co.
Eureka	Eureka	6,837	21	....	....	....	....	....	....	....	23	....	....	....	....	....	....	....	....	....	L. W. Hope.
Golconda	Humboldt	4,392	40	41.2	−8.3	68	†9	16	30	48	42	0.86	+0.39	0.25	13.0	7	11	18	2	nw.	Southern Pacific Co
Hylton**	Elko	7,081	....	....	....	....	....	....	....	....	9	1.40	....	0.44	7.5	6	18	5	8	nw.	Chas. Toyne, sr.
Imlay §	Humboldt	4,209	6	41.8	−8.8	69	†9	15	16	54	6	0.35	−0.01	0.27	T.	2	5	21	5	nw.	Southern Pacific Co
Lamoille	Elko	6,100	4	41.2	....	80	12	9	27	48	4	1.29	0.00	0.50	....	5	14	8	9	se.	Elko-Lamoille Power Co
Lovelock	Pershing	3,977	25	44.0	−7.8	74	†7	7	31	51	23	0.20	−0.04	0.10	1.0	2	18	0	13	n.	Harold W. B. Baker.
Metropolis §	Elko	5,061	6	36.1	....	65	†7	− 5	31	39	10	1.73	+1.10	0.68	11.0	8	16	8	7	w.	L. F. Hatch.
North Fork	do	6,500	....	....	....	....	....	....	....	....	10	1.29	....	0.75	11.0	6	11	11	9	n.	Roy C. Pratt.
Paradise Valley	Humboldt	4,500	6	....	....	....	....	....	....	....	10	....	....	....	....	....	....	....	....	....	F. C. Buckingham.
Potts	Nye	6,002	26	36.1	−8.1	80	1	− 3	28	54	28	0.56	+0.23	0.32	7.0	3	10	8	13	n.	Miss Irene Potts
Tecoma	Elko	4,812	41	39.1	−6.9	71	8	4	31	48	43	0.28	−0.16	0.09	1.2	5	14	10	7	n.	Southern Pacific Co.
Winnemucca	Humboldt	4,344	42	42.0	−6.6	72	16	14	31	47	50	0.68	+0.16	0.17	5.0	7	16	8	7	ne.	U. S. Weather Bureau
Truckee Basin.																					
Marlette Lake**	Washoe	7,900	4	47.2	....	60	†12	10	31	41	2	2.36	....	1.12	....	6	22	1	8	w.	V. & G. H. Water Co.
Reno	do	4,532	32	45.0	−4.7	74	16	18	31	41	32	0.24	−0.17	0.16	1.4	2	21	9	1	w.	U. S. Weather Bureau
Tahoe, Cal.		6,230	11	39.7	....	66	12	15	31	39	11	0.57	....	0.25	1.0	4	17	7	7	e.	Arthur L. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	25	44.6	−6.1	76	†8	13	31	47	25	0.18	−0.23	0.11	0.8	4	21	6	4	nw.	U.S. Experiment Station.
Lahontan**	do	1,200	7	48.0	....	76	†13	19	31	38	9	T.	....	T.	0	0	22	6	3	ne.	U.S. Reclamat'n Service.
Minden	Douglas	4,730	28	42.8[b]	−7.9	72[b]	17	11[b]	31	49[b]	29	0.15	−0.31	0.15	T.	1	24	6	1	n.	Forest Service.
Markleeville, Cal.		5,525	....	....	....	....	....	....	....	....	10	0.15	....	0.15	1.5	1	18	8	5	s.	Mrs. Mary Thornburg.
Walker Basin.																					
Mina §	Mineral	4,350	12	49.4	−3.6	79	†8	23	31	47	23	0.03	−0.25	0.03	0	1	22	0	9	nw.	Southern Pacific Co.
Smith	Lyon	4,800	....	....	....	....	....	....	....	....	11	0.05	....	0.05	0	1	21	8	2	n.	C. M. Carter.
Thorne §	Mineral	4,200	6	....	....	....	....	....	....	....	6	0.00	−0.23	0.00	0	0	22	5	4	nw.	Southern Pacific Co.
Yerington §	Lyon	4,375	10	44.8[e]	−3.9	82[e]	†8	8[e]	31	56[e]	10	0.00	−0.20	0.00	0	0	22	2	7	....	W. H. Churchyard.
Shields Ranch, Cal.**		5,300	....	....	....	....	....	....	....	....	10	T.	....	T.	0	0	26	2	3	....	Bruce H. Chichester
Colorado Basin.																					
Las Vegas	Clark	2,033	17	61.6	+1.0	85	†5	29	30	47	17	0.18	−0.07	0.18	0	1	29	0	2	n.	C. P. Squires.
Logandale §	do	1,355	12	61.4	−4.1	87	11	33	29	44	20	0.30	−0.38	0.17	0	2	27	3	1	....	Bert Mills.
Minor Basins.																					
Beatty	Nye	3,309	3	51.2	....	87	18	22	31	45	3	0.00	....	0.00	0	0	28	2	1	n.	E. E. Palmer.
Duck Flat**	Washoe	4,725	....	....	....	....	....	....	....	....	5	0.14	....	0.10	0	2	19	6	6	nw.	C. T. Smith.
Gerlach	do	3,931	7	....	....	....	....	6	31	....	7	0.15	....	0.15	0	1	16	3	12	n.	Western Pacific Co.
Goldfield	Esmeralda	5,700	12	43.0	−8.1	70	†8	15	25	39	14	0.76	−0.08	0.76	2.0	1	29	2	0	n.	R. G. Jones.
Jungo	Humboldt	4,165	....	....	....	....	....	....	....	....	6	T.	....	T.	T.	0	19	1	11	....	Western Pacific Co.
Lemmons Valley**	Washoe	5,000	....	....	....	....	....	....	....	....	5	0.15	....	0.15	0	1	27	0	4	w.	W. J. Webster.
McDermitt	Humboldt	4,700	8	42.2	−6.6	70	8	10	28	41	32	0.76	−0.14	0.40	2.3	4	19	8	4	....	U. S. Indian Service
McGill §	White Pine	6,338	9	41.7	−2.7	68	17	12	27	39	9	0.64	−0.08	0.20	4.5	7	20	7	4	s.	R. E. Middagh.
Millett	Nye	5,040	11	39.4	−7.2	72	†8	3	31	53	12	0.20	−0.33	0.20	0	1	21	1	9	n.	Fred J. Jones.
Pahrump	Nye	2,668	5	56.6	....	85	13	26	28	48	5	0.00	....	0.00	0	0	27	3	1	s.	Pahrump Valley Co.
Quinn Riv. Ranch**††	Humboldt	4,850	17	42.0[f]	−5.2	79[f]	13	3[f]	31	56[f]	18	0.16	−0.33	0.10	T.	2	....	....	....	w.	F. M. Payne.
Rebel Creek	do	4,300	7	43.5	....	72	12	16	31	42	8	1.18	....	0.50	4.0	6	14	11	6	sw.	Fred Whitaker.
Sand Pass**	Washoe	4,198	6	46.2	....	74	†8	15	†27	44	6	0.11	....	0.04	0.5	4	24	1	6	e.	R. R. Mott.
Searchlight	Clark	3,445	6	58.2	....	80	17	35	31	28	6	0.79	....	0.47	0	2	26	3	2	n.	C. L. Aug. Mahn.
Sharp	Nye	6,200	5	43.2	....	67	†8	12	26	37	5	0.40	....	0.40	1.0	1	29	0	2	nw.	Pauline F. Youngs.
Sulphur	Pershing	4,044	6	41.1	....	83	1	7	31	55	6	0.37	....	0.35	0.2	2	18	7	6	ne.	Western Pacific Co.
Tonopah	Nye	6,090	14	43.8	....	68	17	19	27	32	14	0.32	....	0 32	2.5	1	25	6	0	w.	U. S. Weather Bureau.
Vya	Washoe	5,500	....	....	....	....	....	....	....	....	6	....	....	....	....	....	....	....	....	....	L. A. Mariette.
For the State				44.4	−5.8	87	†11	− 5	31	60	....	0.64	−0.06	1.12	3.2	3	19	6	6	n.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Post-office addresses of these stations are as follows: Of Mahoney Ranger Station, Jarbridge; of Clover Valley, Wells; of Hylton, Jiggs; of Marlette Lake, Virginia City; of Lahontan, Hazen; of Shields Ranch, Coleville, Cal.; of Duck Flat, Sunkist; of Lemmons Valley, Reno; of Quinn River Ranch, Amos; of Sand Pass, Flanigan.

Reference letters, [a], [b], [c], appearing in the table indicate number of days missing, for example, [b] represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for October, 1919.

Stations.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Columbia Basin.																																
Gold Creek (near)	.14	.28	.02									.08						.12	.61				.29	.21	.05	.42	.16	.32	.28	.43	.06	3.47
Mahoney Ranger Station ‖																																.....
Owyhee	.41	.56												.57				.42	.08				.15		T.	.26	.06		.42	.12		3.05
San Jacinto	.12											T.		.34				.06					T.			.03			.09			0.64
Tuscarora (near)	.37	.40	.11											.15				.21					.24	.16		.28	.12		.32	.16		2.52
Humboldt Basin.																																
Arthur	.21	.69												T.				T.						T.	.27	T.			.24	T.		1.41
Austin	.12																							.12	.18				.02	.04		0.48
Battle Mountain	.02	.01																								T.	T.					0.03
Beowawe											.02				T						T.											0.02
Clover Valley	.25	.35												.25										.24						.25		1.34
Elko	.15													.35											.25	.05						0.80
Eureka																																....
Golconda	.25	.07																					T.	.11	.10	.08			.15	.10		0.86
Hylton	.11	.43												.13									T.	.44		.15			.14			1.40
Imlay	.27	.08																					T.	T.	T.	T.				T.	T.	0.35
Lamoille ‖	T.	.32												.30										T	.50	T	.07			.10		1.29
Lovelock	.10																									.10						0.20
Metropolis ‖	.20	.05	.20										T.	.68	T.								.08	.22	T.	T.			.25	.05		1.73
North Fork	.75													.10									.10	.08					.12	.14		1.19
Paradise Valley																																.....
Potts																									.32	.16			.08			0.56
Tecoma	.07													.09										.03	.04				.05			0.28
Winnemucca***	.30	.06											T.										T	.10	.02	.02			.17	.01		0.68
Truckee Basin.																																
Marlette Lake ‖	.27	1.12	.27																				T.	.65		.03	.02					2.36
Reno ***		.08																					T.	.16			T.		T.	T.		0.24
Tahoe, Cal. ‖	.18	.25																						T.	T.	.13	.01					0.57
Carson Basin.																																
Fallon ‖	.01	.04	.02																					T.	.11		T.					0.18
Lahontan		T.																						T.	T.	T.						T.
Minden																								.15								0.15
Markleeville, Cal																								.15								0.15
Walker Basin.																																
Mina																								.03								0.03
Smith																								.05								0.05
Thorne																																0.00
Yerington																																0.00
Shields Ranch, Cal	T.	T.																						T.								T
Colorado Basin.																																
Las Vegas																								.18								0.18
Logandale																								.13	.17							0.30
Minor Basins.																																
Beatty																																0.00
Duck Flat	.04	.10																							T.				T.			0.14
Gerlach	.15																															0.15
Goldfield																								.76								0.76
Jungo																									T.							T.
Lemmons Valley		.15																						T.								0.15
McDermitt	.40	.20																				T.	T.	T.		.04	.12					0.76
McGill																								.18	.10	.02			.03	T.		0.64
Millett																								.20								0.20
Pahrump																																0.00
Quinn River Ranch	.10	T.																								T.			.06			0.16
Rebel Creek	.50	.10	.05																							.20			.23	.10		1.18
Sand Pass	.02	.04																							.03	.02						0.11
Searchlight																								.47	.32							0.79
Sharp																									.40							0.40
Sulphur	T.	T.																					T.			.02			.35			0.37
Tonopah***																								.32								0.32
Vya ‖																																......

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. ‡Separate dates of falls not recorded.

Daily evaporation (inches) and wind movement (miles) for October, 1919.

(See temperature and precipitation data in climatological tables, pages 76 to 78.)

Stations.	Data.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Monthly.
Indian Springs*	Evaporation																																......
	Wind movement																																......
Lamoille*	Evaporation																																......
	Wind movement	62	20	25	20	70	40	60	55	55	65	65	45	70	30	40	80	20	110	30	50	55	45	70	85	15	55	45	45	55	40	63	1,585
Marlette Lake*	Evaporation	.314	‡	.203	.003	.120	.090	.110	.241	.049	.122	.075	.088	.110	.088	.109	.161	.109															......
	Wind movement	187	159	74	59	14	42	140	96	112	49	68	69	61	124	63	88	64	125	38	70	77	78	256									......
Tahoe, Cal. ** †	Evaporation	.070	.040	.130	.110	.120	.160	.110	.140	.050	.140	.210	.170	.150	.130	.210	.240	.210	.180	.240	.230	.250	.130	.170	.120	.020	.080	.120	.140	.090	.090	.070	4.320
	Wind movement	97	112	95	83	105	74	72	109	55	33	63	61	84	67	86	80	79	66	87	63	125	84	123	81	64	70	91	83	61	114	83	2,550

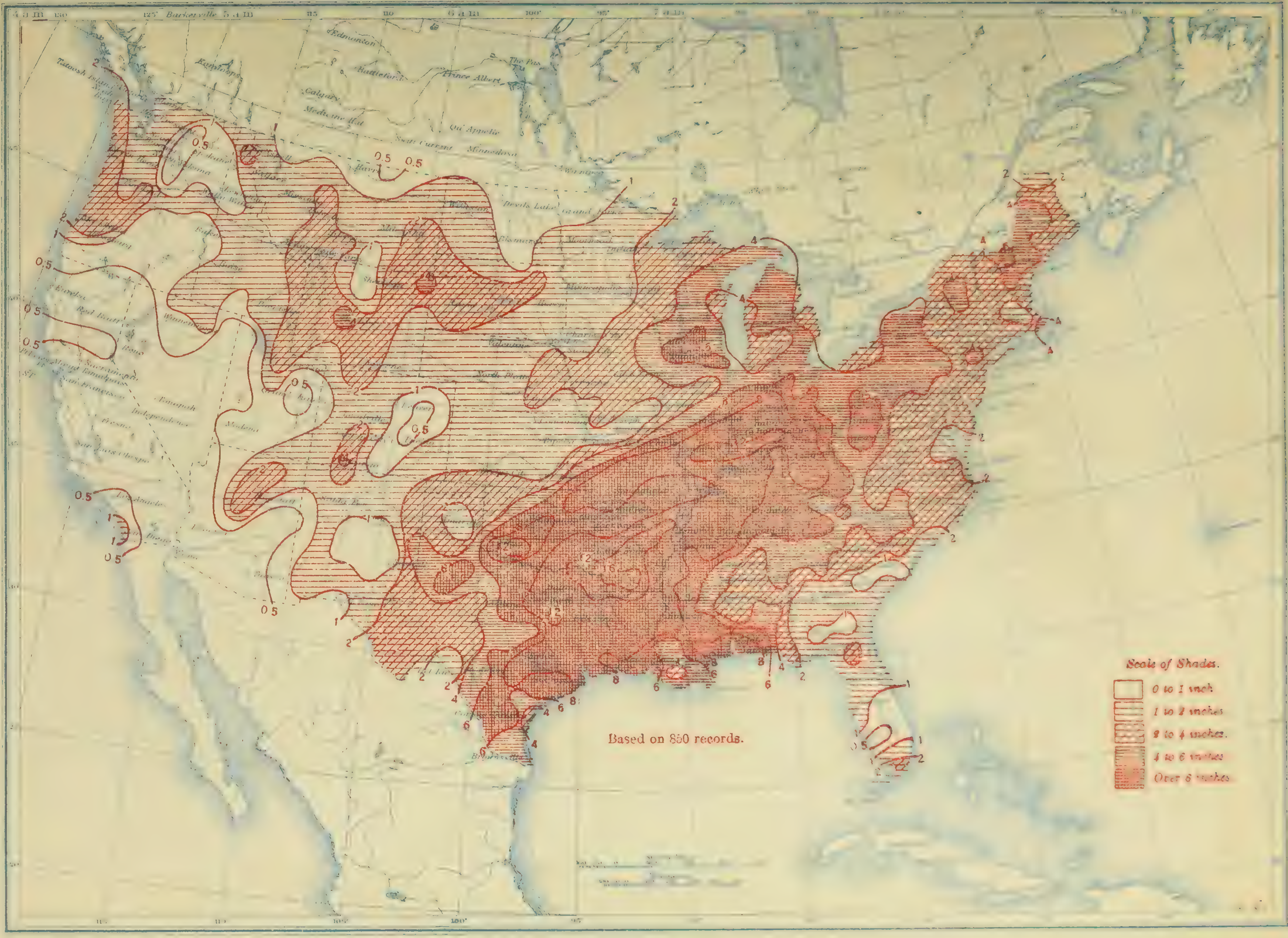
* Observations taken at 7 a. m.; ** at 8 a. m. ‡ Included in next following entry. † Readings made in standard pan exposed on float in lake.

Daily temperatures for October, 1919.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Owyhee	Maximum	42	44	45	54	59	65	66	55	45	54	61	65	64	....	60	58	58	42	48	56	....	....	53	42	38	34	35	44	41	31	38	49.9
	Minimum	31	30	29	28	23	32	26	31	27	15	30	27	35	....	25	33	32	32	32	27	....	....	27	22	27	23	23	18	21	20	0	25.9
San Jacinto	Maximum	52	48	50	55	62	66	68	68	58	56	61	64	66	53	62	67	55	41	50	68	64	60	54	35	41	36	37	47	40	35	40	53.5
	Minimum	41	30	33	21	20	21	21	24	25	10	23	26	22	38	27	22	29	25	28	25	31	34	31	25	16	23	20	12	26	19	9	24.4
Humboldt Basin.																																	
Austin	Maximum	50	46	49	60	68	80	75	69	58	63	68	70	68	72	75	75	76	59	62	65	71	76	67	40	40	....	39	69	42	36	44	61.1
	Minimum	....	....	35	33	34	28	34	35	23	23	30	30	27	26	29	35	34	20	19	23	34	33	35	22	21	....	18	18	25	17	10	26.5
Battle Mountain	Maximum	53	58	56	59	64	69	72	71	69	66	68	72	71	75	72	72	72	73	64	63	62	67	62	54	42	43	42	49	46	40	40	60.8
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	20	12	23	31	....	30	17	25	37	37	32	26	22	28	21	29	25	16	25.4
Clover Valley	Maximum	50	45	55	55	59	63	65	69	57	59	62	67	67	50	59	66	67	60	62	59	55	65	55	40	39	41	42	38	43	34	32	54.2
	Minimum	38	33	29	27	25	26	25	31	23	19	26	28	32	34	24	26	25	27	25	22	31	42	40	26	21	20	11	8	22	18	20	25.9
Eureka	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Elko	Maximum	65	65	66	67	67	66	70	68	69	67	66	74	70	64	63	65	60	55	58	60	66	64	56	49	44	40	40	47	40	38	39	58.9
	Minimum	35	33	30	27	23	26	24	25	20	17	22	25	25	36	29	26	24	22	25	22	24	24	26	26	28	22	10	15	21	18	7	23.8
Imlay	Maximum	50	51	53	54	62	63	68	68	69	57	64	66	69	53	63	69	60	52	60	60	61	64	59	47	41	42	41	49	42	40	37	56.0
	Minimum	33	27	31	39	32	33	31	27	22	28	30	35	35	27	28	15	20	25	20	30	35	37	26	27	24	21	20	33	25	17	26	27.7
Lamoille§§	Maximum	52	43	40	42	46	68	58	62	60	64	62	80	60	65	61	72	56	65	57	71	52	71	42	40	40	65	32	36	40	47	57	55.1
	Minimum	33	30	30	30	31	30	30	38	34	24	25	32	34	32	33	38	40	22	21	26	24	36	32	25	22	21	9	15	15	16	20	27.4
Lovelock	Maximum	60	58	58	60	66	71	74	74	68	62	70	73	73	70	68	72	72	57	61	63	67	71	69	48	47	45	47	54	52	44	48	62.0
	Minimum	40	36	29	26	28	31	29	29	32	20	24	30	28	40	27	21	22	24	20	18	23	25	45	34	22	22	14	13	23	22	7	25.9
Metropolis	Maximum	43	43	45	47	56	60	65	65	61	53	59	59	50	49	55	60	65	50	47	54	56	59	59	31	31	31	29	34	35	25	29	48.5
	Minimum	37	31	28	25	26	26	26	30	20	18	24	28	27	32	27	29	30	21	25	24	27	30	29	26	22	18	9	9	22	13	− 5	23.7
Paradise Valley	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Potts	Maximum	80	76	74	74	70	68	67	68	64	65	68	65	61	60	60	61	58	50	49	50	51	58	54	56	50	49	51	45	47	44	49	59.4
	Minimum	30	31	30	28	20	15	14	17	15	11	16	16	15	17	17	18	11	0	3	10	7	8	6	7	5	5	2	− 3	7	9	9	12.8
Iecoma	Maximum	64	54	52	50	58	62	68	71	70	55	56	58	70	65	60	66	68	66	59	60	62	67	64	50	42	39	40	40	43	41	39	56.5
	Minimum	42	32	30	28	26	25	27	24	22	15	18	20	25	33	25	27	22	16	20	21	23	22	22	28	15	10	11	14	15	10	4	21.7
Winnemucca	Maximum	49	50	54	57	62	66	71	70	50	59	66	71	72	59	67	72	58	52	56	63	67	68	53	41	41	40	42	51	41	39	44	56.5
	Minimum	39	35	29	28	27	33	29	33	26	19	26	30	31	34	23	25	30	23	24	21	27	37	35	30	28	25	20	18	28	22	14	27.4
Truckee Basin.																																	
Marlette Lake§§	Maximum	36	39	45	48	52	55	59	56	42	49	55	60	55	48	58	60	54	40	44	50	60	60	46	36	32	29	37	57	37	29	35	47.2
	Minimum	27	26	27	26	25	29	29	21	27	21	25	30	35	26	26	29	37	17	19	20	23	32	36	24	22	20	14	16	28	11	10	24.5
Reno	Maximum	55	54	58	59	62	68	73	72	56	61	68	72	70	61	68	74	69	55	56	63	68	70	57	43	44	45	48	60	49	43	51	59.7
	Minimum	40	34	29	29	30	32	34	35	32	26	30	33	36	34	30	33	33	26	25	27	30	36	35	32	26	32	26	23	33	24	18	30.4
Tahoe, Cal.§§	Maximum	41	47	49	52	58	62	64	65	52	58	69	66	61	64	62	60	62	50	51	56	59	61	49	43	32	36	45	55	43	37	45	53.1
	Minimum	32	30	33	26	28	30	27	28	34	25	26	27	30	29	27	26	27	23	22	21	26	29	34	30	26	22	18	22	26	17	15	26.3
Carson Basin.																																	
Fallon§§	Maximum	65	55	56	59	63	68	70	76	51	59	66	70	75	62	68	71	72	55	58	62	68	76	64	50	45	48	45	57	48	45	48	60.6
	Minimum	42	35	29	28	28	30	32	33	36	24	27	32	35	38	27	27	32	27	21	23	25	29	43	34	19	26	19	19	26	25	13	28.5
Lahontan§§	Maximum	65	55	57	59	63	67	71	70	55	60	68	72	76	63	68	72	72	55	58	62	69	76	65	45	50	50	47	58	49	44	48	60.9
	Minimum	43	37	33	34	36	39	42	45	36	30	38	40	47	41	38	39	43	33	30	33	36	45	27	33	27	31	23	25	32	30	19	35.0
Minden	Maximum	60	59	57	58	48	67	70	67	...	58	65	69	71	65	65	70	72	67	55	60	68	70	68	59	49	....	47	57	57	48	57	61.1
	Minimum	38	34	23	21	23	22	25	37	....	21	20	28	27	27	21	23	23	19	19	18	20	27	40	30	22	....	22	15	34	16	11	24.3
Walker Basin.																																	
Mina	Maximum	69	78	63	59	59	60	70	79	72	62	67	70	78	76	74	73	79	65	63	62	69	75	75	62	50	50	63	54	53	51	60	65.8
	Minimum	38	38	29	32	37	37	40	32	43	34	34	38	34	35	32	29	34	34	28	24	28	32	36	34	33	32	33	36	30	28	23	33.1
Thorne	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Yerington	Maximum	....	....	....	....	....	72	75	82	66	64	71	71	82	72	72	76	80	57	61	67	73	80	74	46	52	56	51	64	52	47	52	66.1
	Minimum	....	....	...	....	....	27	27	26	37	21	23	30	30	33	24	21	24	20	16	24	22	26	44	30	16	25	13	11	19	15	8	23.5
Colorado Basin.																																	
Las Vegas	Maximum	82	83	83	84	85	85	85	84	83	82	82	81	82	83	83	84	83	83	81	82	83	82	83	79	79	78	76	78	72	72	72	81.1
	Minimum	42	43	43	43	44	44	45	43	45	45	46	48	47	46	46	45	39	36	35	36	36	37	59	61	42	38	36	34	31	29	43	42.2
Logandale	Maximum	79	83	73	79	82	84	86	83	82	86	87	86	86	85	84	85	84	79	78	79	79	81	81	76	67	64	66	69	70	67	64	78.5
	Minimum	46	47	56	48	55	52	44	44	46	47	46	48	43	45	56	42	40	45	41	38	39	37	41	56	42	41	35	40	33	44	39	44.4
Minor Basins.																																	
Beatty	Maximum	61	61	59	64	70	65	71	69	70	70	71	76	82	80	76	72	80	87	75	65	66	66	72	71	68	62	51	49	49	48	44	66.8
	Minimum	33	37	40	37	38	40	40	35	41	50	43	41	39	40	41	37	35	43	33	33	39	33	29	37	33	23	28	28	27	26	22	35.5
Gerlach	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	63	45	49	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	33	22	6	......
Goldfield	Maximum	62	55	54	56	60	62	67	70	60	60	58	67	70	60	62	67	70	57	55	48	65	70	62	54	40	45	40	52	50	35	48	57.5
	Minimum	32	32	25	24	27	30	31	31	39	34	28	32	33	33	35	31	34	28	23	25	30	32	39	34	15	25	21	21	31	17	16	28.6
McDermitt	Maximum	50	52	54	58	66	67	69	70	69	62	54	56	58	59	60	62	64	61	60	62	61	64	56	54	54	56	57	47	42	46	47	58.0
	Minimum	30	31	33	39	41	40	41	40	39	28	22	24	27	23	24	26	23	24	22	25	23	24	22	21	22	20	20	10	11	[illegible]	22	26.4
McGill	Maximum	53	50	48	53	52	60	64	66	60	58	63	66	67	60	62	67	68	66	54	56	64	65	61	56	41	37	36	50	45	[illegible]	39	55.5
	Minimum	32	37	30	27	28	27	29	32	31	25	27	33	35	34	29	28	38	28	22	24	28	41	40	28	25	24	12	15	28	15	13	27.9
Millett	Maximum	64	52	54	56	62	65	67	72	61	59	55	68	70	63	65	67	72	53	54	59	66	69	67	51	42	39	40	55	48	36	43	57.9
	Minimum	32	34	23	18	21	23	18	20	32	15	17	25	20	28	22	15	19	24	14	20	19	26	42	24	19	25	10	10	26	11	3	20.9
Pahrump	Maximum	77	76	68	75	77	79	83	84	78	77	81	83	85	82	80	83	83	75	73	76	77	80	74	68	62	60	60	65	70	64	62	74.7
	Minimum	41	40	50	38	40	40	43	38	41	42	43	43	40	43	45	35	36	45	32	33	33	34	54	51	39	34	28	26	30	29	32	38.6
Rebel Creek	Maximum	50	45	55	50	60	65	67	70	68	70	70	72	52	56	65	70	67	50	52	53	60	70	52	47	40	35	40	48	45	37	42	55.6
	Minimum	38	33	33	35	32	36	37	40	35	28	32	37	32	38	29	30	35	28	32	27	35	41	35	28	23	26	22	23	30	26	16	31.4
Sand Pass	Maximum	58	56	59	62	67	72	73	74	63	63	71	74	72	65	68	74	70	61	60	63	70	71	67	54	46	45	47	55	50	45	48	62.0
	Minimum	41	35	32	30	32	36	36	34	29	26	30	36	31	38	29	30	33	30	24	29	30	42	41	32	26	29	15	19	33	23	15	30.5
Searchlight	Maximum	73	72	64	66	68	70	73	76	73	72	74	76	78	77	71	75	80	72	65	68	74	76	68	60	56	57	55	55	62	60	52	68.3
	Minimum	45	49	48	47	51	53	49	55	48	52	54	51	51	53	54	55	52	54	49	49	53	50	49	46	41	38	39	37	39	42	35	48.0
Sharp	Maximum	57	53	49	52	55	60	63	67	66	57	62	62	67	59	62	63	62	60	53	56	60	65	60	62	55	45	50	50	55	51	52	57.7
	Minimum	28	31	29	26	25	29	34	35	29	31	29	32	35	32	29	32	30	29	20	29	28	30	41	42	32	12	28	13	25	15	17	28.6
Sulphur	Maximum	83	55	56	62	63	65	67	73	69	59	70	72	72	67	69	74	72	55	60	65	71	71	68	58	48	44	45	46	53	42	48	62.0
	Minimum	33	32	24	25	25	27	27	27	21	16	17	17	17	18	19	19	20	20	20	20	20	20	20	19	24	25	11	12	12	12	7	20.2
Tonopah	Maximum	62	47	51	54	56	60	63	66	53	56	63	64	67	56	59	63	68	46	51	54	61	66	61	45	35	37	37	50	44	36	43	54.0
	Minimum	34	30	27	34	37	40	41	47	35	32	37	41	47	39	38	43	36	28	31	32	38	47	35	22	22	25	19	27	30	24	20	33.5
Vya	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Total Precipitation, Inches, October, 1919



UNIVERSITY OF ILLINOIS
URBANA

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
CHARLES F. MARVIN, CHIEF

CLIMATOLOGICAL DATA

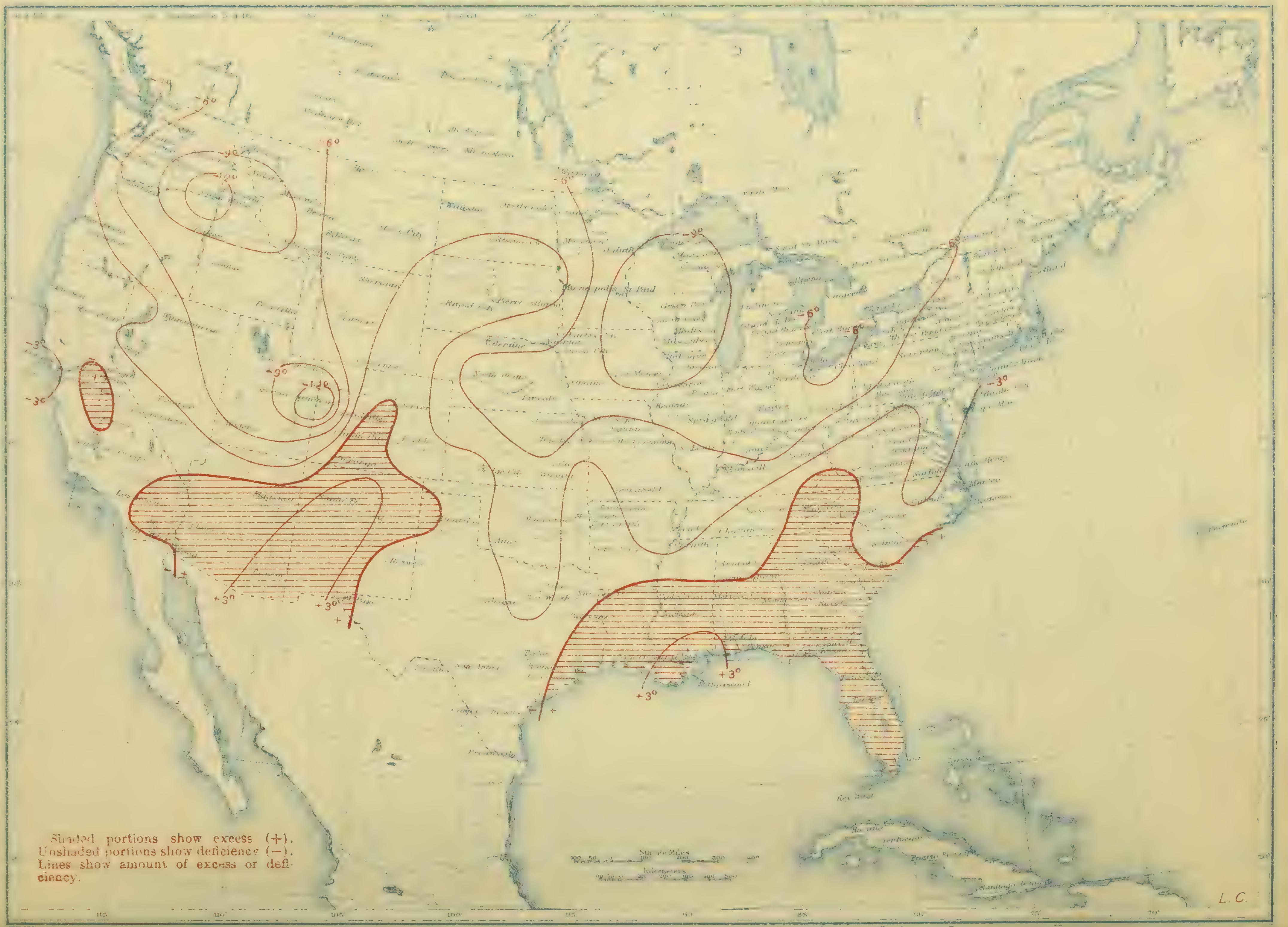
NEVADA SECTION

DECEMBER, 1919

BY
HENRY F. ALPS
METEOROLOGIST

RENO, NEV.
WEATHER BUREAU OFFICE
JANUARY 19, 1920.

Departure of the Mean Temperature from the Normal, December, 1919.



Shaded portions show excess (+). Unshaded portions show deficiency (−). Lines show amount of excess or deficiency.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

NEVADA SECTION.

HENRY F. ALPS, Meteorologist.

Vol. XXXIV. Reno, Nevada, December, 1919. No. 12.

GENERAL SUMMARY.

Heavy snow fell in the mountains during the first 12 days of the month, especially in the extreme west portion where the greatest December snowfall on record generally occurred. At Reno the total monthly snowfall and the depth on the ground were the greatest recorded in December during the past 32 years, and the amount of precipitation was exceeded by only 0.09 inch in December, 1913. The monthly amount of moisture was 7.25 inches at Marlette Lake and 7.19 inches at Tahoe. On December 31st, the average depth of snow in the vicinity of Summit was 39 inches and the total water content of the snow cover was 13.33 inches. The average snowfall for the State was 11.1 inches. The precipitation was generally deficient in the southern one-third of the State, and about normal in the valleys of the central and northern portions. A cold period extended through the first 18 days of the month, but the remainder was mild. Temperatures fell below zero, except in the southern quarter of the State, and a number of stations recorded the lowest for the year.

The heavy snowfall in the mountains during the early part of the season presents a favorable outlook for the late water supply during the coming season, and the amount at lower elevations furnished ample water for sheep on winter ranges. The deep snow cover and low temperatures were rather severe on stock, but melting due to warmer weather the last decade uncovered the grass in the lower elevations for cattle, sheep, and horses. Winter ranges were poorer than usual, and much feeding was necessary. The highway at Summit was closed for the season on account of the heavy snows. Traffic on other highways and many outdoor activities were temporarily suspended during the stormy period.

TEMPERATURE.

The monthly mean for the State, as shown by the records of 38 stations, was 29.6°. The mean for the 25 stations having ten or more years' record was 1.9° below normal. The highest recorded was 74°, at Las Vegas on the 23d; the lowest was —26°, at.Elko on the 9th. The greatest daily range was 60°, at Austin on the 9th. The highest monthly mean was 46.2°, at Las Vegas; the lowest was 18.2°, at Tecoma.

PRECIPITATION.

The average for 49 stations reporting was 1.26 inches. For the 26 stations having ten or more years' record, the mean was 0.03 inch below the normal. The average amount at 4 stations in the Columbia Basin was 1.43 inches; at 14 stations in the Humboldt Basin, 0.98 inch; at 2 stations in the Truckee Basin, 5.12 inches; at 3 stations in the Carson Basin, 1.09 inches; at 5 stations in the Walker Basin, 0.76 inch; at 2 station in the Colorado Basin, 0.17 inch; at 17 stations in the minor basins, 0.85 inch. The greatest monthly fall was 7.25 inches at Marlette Lake; the least was 0.06 inch at Las Vegas The average number of days with precipitation was 4.

PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric pressure (sea level).			Mean relative humidity.		Wind.			
						Average hourly velocity.	Max. velocity.		
	Mean.	Highest.	Lowest.	5 a. m.	5 p. m.		Miles per hour.	Direc.	Date.
Reno	30.22	30.74	29.51	85	67	4.9	44	sw.	11
Winnemucca	30.24	30.77	29.39	78	70	7.0	42	sw.	11
Tonopah	30.19	30.78	29.60	68	56	9.1	34	w.	11

SUNSHINE AND CLOUDINESS.

At Reno, 60 per cent of the possible sunshine was recorded; at Winnemucca, 66 per cent; at Tonopah, 67 per cent. For the State, the average number of clear days was 18; partly cloudy, 5; cloudy, 8.

MISCELLANEOUS PHENOMENA.

(Dates of).

Brisk winds.—9, 10, 11, 20, 21.
Hail.—4, 11.
Sleet.—11.
Fog.—5, 17, 18, 28, 29.
Solar halo.—9, 25, 30, 31.
Lunar halo.—2, 5, 15, 31.

COMPARATIVE DATA FOR DECEMBER.

Year.	Temperature.			Average precipitation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipitation.	Clear.	Partly cloudy.	Cloudy.	
1889	34.4	70	−20	4.09	23.0	13	4	6	21	s.
1890	35.1	73	0	1.00	1.0	5	11	9	11	sw.
1891	26.3	66	−33	2.75	22.3	8	8	9	14	n.
1892	30.4	63	−23	1.23	4.0	5	8	6	17	s.
1893	34.3	72	−15	0.69	5.2	4	13	7	11	s.
1894	27.6	64	−32	2.50	19.7	9	7	8	16	w.
1895	28.0	78	−34	0.42	5.9	4	12	10	9	n.
1896	34.6	73	−10	0.40	2.3	2	14	10	7	s.
1897	29.1	69	−14	1.06	4.9	4	13	7	11	w.
1898	25.3	70	−15	0.48	2.8	3	16	7	8	n.
1899	28.4	68	−25	1.15	8.1	4	14	7	10	ne.
1900	33.1	71	−12	0.19	0.9	1	14	6	11	sw.
1901	32.5	78	−19	0.69	2.2	3	17	7	7	sw.
1902	33.7	78	− 2	0.35	0.9	2	13	7	11	sw.
1903	30.4	71	− 9	0.14	1.2	1	20	6	5	n.
1904	33.3	76	−23	0.51	3.1	2	14	6	11	n.
1905	22.5	68	−21	0.60	6.4	3	15	7	9	sw.
1906	33.5	74	−21	1.91	12.7	6	8	10	13	s.
1907	35.6	78	−11	1.47	6.2	5	10	10	11	sw.
1908	27.6	67	−20	0.19	1.6	1	15	8	8	w.
1909	23.3	70	−25	1.54	7.4	6	10	7	14	n.
1910	33.1	91	− 8	1.15	4.3	5	13	8	10	w.
1911	26.4	69	−31	0.46	6.0	3	15	9	7	sw.
1912	29.8	68	−16	0.23	2.0	2	17	7	7	w.
1913	28.7	69	−22	1.53	8.1	5	12	9	10	w.
1914	24.5	69	−27	0.54	5.6	4	14	7	10	sw.
1915	32.7	81	−28	0.93	5.9	4	12	9	10	w.
1916	27.6	70	−30	0.87	10.3	5	13	6	12	sw.
1917	39.0	79	− 1	0.14	0.8	1	18	7	6	sw.
1918	27.8	74	−21	0.69	4.3	3	17	6	8	n.
1919	29.6	73	−26	1.26	11.1	4	18	5	8	w.
Entire period	30.3	91	−34	1.01	6.5	4	13	8	10	sw.

Climatological data for December, 1919.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days.				Prevailing direction of the wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	With precipitation (0.01 inch or more).	Clear.	Partly cloudy.	Cloudy.		
Columbia Basin.																					
Gold Creek (near)	Elko	6,600									6	2.31		0.61	42.0	12	19	5	7	n.	U. S. Forest Service.
Mahoney Ran. Sta**	do	6,200	4								4										Do.
Owyhee	do	5,400	8	25.0		55	29	−22	13	43	8	1.77		0.46	21.0	7	17	5	9	s.	E. A. Schwab.
San Jacinto	do	5,200	14	24.0	+1.1	53	23	−19	13	40	14	0.45	−0.16	0.20	8.0	6	24	1	6	s.	Utah Construction Co.
Tuscarora (near)	do										11	1.20		0.40	15.0	6	13	8	10		D. B. Williams.
Humboldt Basin.																					
Arthur	Elko	6,500									9	2.61	+1.40	1.10	28.7	5	19	8	4		Isaac Woodhouse.
Austin	Lander	6,594	30	35.0^{e}	+4.4	70^{e}	30	−9^{e}	3	60^{e}	30	1.09	−0.10	0.58	12.0	5	19	3	9	n.	Forest Service.
Battle Mountain	do	4,513	48	29.0	−1.9	52	25	−1	8	35	50										Southern Pacific Co.
Beowawe	Eureka	4,695	48	27.5	−2.0	51	29	−19	8	39	50						13	16	2		Do.
Clover Valley**	Elko	6,000	18	22.8^{b}	−4.3	57^{b}	29	−17^{b}	9	53^{b}	26	1.43	−0.06	0.40	12.0	5	20	5	6		J. D. Weeks.
Elko	do	5,063	48	20.6	−6.5	45	23	−26	9	38	49	0.90	+0.02	0.40	13.0	3	16	9	6	w.	Western Pacific Co.
Eureka	Eureka	6,837	21								23										L. W. Hope.
Golconda	Humboldt	4,392	40	27.7	−3.2	48	25	1	13	35	42	1.34	+0.51	0.64	17.0	5	15	7	9	ne.	Southern Pacific Co.
Hylton **	Elko	7,081									9	0.96		0.23	9.0	5	18	7	6		Chas. Toyne, sr.
Imlay §	Humboldt	4,209	6	28.2	−4.1	59	24	−18	9	46	6	0.29	−0.40	0.12	7.0	4	15	2	14	se.	Southern Pacific Co.
Lamoille	Elko	6,100	4					−15^{a}	11		4	1.07	−0.10	0.55	10.0	4	16	10	5	se.	Elko-Lamoille Power Co.
Lovelock	Pershing	3,977	25	28.8	−2.3	58	24	−13	9	39	23	0.75	+0.51	0.32	6.5	5	17	1	13	s.	Harold W. B. Baker.
Metropolis §	Elko	5,661	6	19.9		58	†1	−21	9	45	10	0.50	−0.64	0.19	6.5	4	20	5	6	w.	L. F. Hatch.
North Fork	do	6,500									10	1.27		0.85	11.0	3	16	8	7	w.	Roy C. Pratt.
Paradise Valley	Humboldt	4,500	6								10										F. C. Buckingham.
Potts	Nye	6,002	26	22.4	−1.9	43	22	−10	10	31	28	0.32	−0.14	0.16	4.0	2	21	2	8	n.	Miss Irene Potts.
Tecoma	Elko	4,812	41	18.2	−7.0	47	26	−18	9	43	43	0.19	−0.36	0.14	3.0	2	12	15	4		Southern Pacific Co.
Winnemucca	Humboldt	4,344	42	28.2	−2.5	54	30	−10	9	43	50	0.94	−0.05	0.26	11.2	5	14	6	11	ne.	U. S. Weather Bureau.
Truckee Basin.																					
Marlette Lake**	Washoe	7,900	4	27.2		53	29	−7	8	38	2	7.25		2.40	75.0	8	19	3	9	sw.	V. & G. H. Water Co.
Reno	do	4,532	32	30.4	−3.3	65	24	−1	9	43	32	3.00	+1.33	1.34	33.8	8	15	6	10	w.	U. S. Weather Bureau.
Tahoe, Cal		6,230	11	28.0		56	24	−4	13	36	11	7.19		2.07	72.0	9	11	5	15	sw.	Arthur L. Smith.
Carson Basin.																					
Fallon	Churchill	3,965	25	28.7	−3.3	63	24	−4	9	43	25	0.74	+0.16	0.31	6.2	5	16	8	7	sw.	U.S. Experiment Station.
Lahontan **	do	4,200	7	30.4		60	24	1	9	41	9	0.31		0.10	0.6	5	20	2	9	ne.	U.S. Reclamat'n Service.
Minden	Douglas	4,730	28	30.1^{e}	−2.1	61^{e}	24	−6^{e}	9	47^{e}	29	2.22	+0.17	0.80	20.0	5	21	5	5		Forest Service.
Markleeville, Cal		5,525									10	3.22		0.93	38.0	5	16	8	7	s.	Mrs. Mary Thornburg.
Walker Basin.																					
Mina §	Mineral	4,350	12	33.0	−1.8	68	†4	0	†14	60	23	0.19	−0.23	0.19	0	1	21	0	10		Southern Pacific Co.
Smith	Lyon	4,800									11	1.04		0.67	4.0	2					C. M. Carter.
Thorne §	Mineral	4,200	6	36.1	+0.1	65	24	5	9	37	6	0.15	−0.25	0.10	T.	2	17	9	5	nw.	Southern Pacific Co.
Yerington §	Lyon	4,375	10	30.2^{c}	−1.5	63^{c}	24	−3^{c}	9	50^{c}	10	0.55	+0.07	0.20	5.0	4	18	5	8	n.	W. H. Churchyard.
Shields Ranch, Cal. **		5,300									10	1.87		1.02	16.0	3	20	2	9	s.	Bruce H. Chichester.
Colorado Basin.																					
Las Vegas	Clark	2,033	17	46.2	+5.2	73	23	19	9	45	17	0.06	−0.29	0.03	0	2	24	4	3	s.	C. P. Squires.
Logandale §	do	1,355	12	45.3	+2.2	72	29	20	†14	44	20	0.28	−0.18	0.28	0	1	19	11	1		Bert Mills.
Minor Basins.																					
Beatty	Nye	3,309	3	38.2		71	27	12	14	43	3	0.62		0.60	0	2	20	10	1	s.	E. E. Palmer.
Duck Flat **	Washoe	4,725									5	1.53		0.40	14.0	7	19	4	8	nw.	C. T. Smith.
Gerlach	do	3,931	7					−8	†8		7	1.59		0.60	7.5	6	16	4	11		Western Pacific Co.
Goldfield	Esmeralda	5,700	12	31.0	−4.9	60	24	1	9	36	14	0.21	−0.34	0.09	1.0	3	24	3	4	n.	R. G. Jones.
Jungo	Humboldt	4,165									6	0.64		0.64	8.0	1	16	5	10		Western Pacific Co.
Lemmons Valley**	Washoe	5,000									5	2.67		1.29	19.0	7	21	1	9	w.	W. J. Webster.
McDermitt	Humboldt	4,700	8	25.3	−6.5	53	24	−9	13	39	32	0.40	−0.92	0.24	5.0	3				sw.	U. S. Indian Service.
McGill §	White Pine	6,338	9	30.1	+2.7	58	29	−6	9	37	9	0.42	−0.69	0.15	5.9	4	18	5	8	n.	R. E. Middagh.
Millett	Nye	5,040	11	27.1	+0.7	53	22	−14	9	47	12	0.66	+0.34	0.24	6.5	4	19	4	8		Fred J. Jones.
Pahrump	Nye	2,668	5	41.0^{g}		67^{g}	28	16^{g}	†14	45^{g}	5										Pahrump Valley Co.
Quinn Riv. Ranch **††	Humboldt	4,850	17	24.9^{c}	−4.0	59^{c}	21	−23^{c}	9	57^{c}	18	0.40	−0.45	0.11		6	16	3	12	w.	F. M. Payne.
Rebel Creek	do	4,300	7	27.8		52	†21	−1	13	33	8	0.61		0.33	5.0	5	18	7	6	sw.	I. J. Studebaker.
Sand Pass **	Washoe	4,198	6	27.2		53	19	−3	8	40	6	2.01		0.94	17.5	6	8	5	18	w.	R. R. Mott.
Searchlight	Clark	3,445	6	45.4		65	25	22	13	24	6	0.42		0.27	0	2	22	7	2	n.	C. L. Aug. Mahn.
Sharp	Nye	6,200	5	31.6		56	29	−8	9	44	5	0.23		0.15	2.5	2	26	0	5	nw.	Pauline F. Youngs.
Sulphur	Pershing	4,044	6	20.8		53	24	−15	13	51	6	0.54		0.18	9.0	4	16	7	8	sw.	Western Pacific Co.
Tonopah	Nye	6,090	14	32.4		54	29	4	9	22	14	0.33		0.18	2.2	3	13	14	4	se.	U. S. Weather Bureau.
Vya	Washoe	5,500				65	27				6	1.15		0.48	15.0	3					L. A. Mariette.
For the State				29.6	−1.9	73	23	−26	9	60		1.26	−0.03	2.40	11.1	4	18	5	8	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. § Normals based on data from nearby stations with long records.

** Postoffice addresses of these stations are as follhws: Of Mahoney Ranger Station, Jarbridge; of Clover Valley, Wells; of Hylton, Jiggs; of Marlette Lake, Virginia City; of Lahontan, Hazen; of Shields Ranch, Coleville, Cal.; of Duck Flat, Sunkist; of Lemmons Valley, Reno; of Quinn River Ranch, Amos; of Sand Pass, Flanigan.

Reference letters, ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing, for example, ^{b} represents two days missing, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily precipitation for December, 1919.

Stations.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Columbia Basin.																																
Gold Creek (near)	.27	.09	.12	.06	.21	.12	.24	.37		.11	.61	.09													T	.02						2.31
Mahoney Ranger Station ‖																																
Owyhee	.28			.06	.46	.38	.45				.08	.06													T.							1.77
San Jacinto	.08	.20		.02			.03		.04		.08														T.							0.45
Tuscarora (near)	.40	.12			.24	.08	.20				.16																					1.20
Humboldt Basin.																																
Arthur	1.10	.21	.19		.25					.50	.36																					2.61
Austin		T.	T.	.08	.23	T.		.58		T.	.06	.14																				1.09
Battle Mountain																																
Beowawe																																
Clover Valley	.38	.40		.25			.20				.20														T							1.43
Elko		.40		.20			.30				T																					0.90
Eureka																																
Golconda	.64	T.				.30		.08		.16	.16																					1.34
Hylton	.21				.22	.11	.23				.19																					0.96
Imlay	.12	.08	.04		T.	T.	T.				.05																					0.29
Lamoille ‖	.55				.42	.05	.05																									1.07
Lovelock	.15				.06		.32				.10	.12																				0.75
Metropolis ‖	.18	T.		T.		.19	.05				.08																					0.50
North Fork		.30		.12							.85																					1.27
Paradise Valley																																
Potts					.16	.16																										0.32
Tecoma	.14	.05																														0.19
Winnemucca***	.36	T.		.26	.01		.15				.16														T.							0.94
Truckee Basin.																																
Marlette Lake ‖	.73	1.62	1.13		.06			.21		.45	2.40	.65								T.		T										7.25
Reno ***	.42	1.30	.19	.20	.16		.01			.08	.64		T.																			3.00
Tahoe, Cal ‖	.94	2.07	1.93		.07			.12		.67	.93	.41								.05		T										7.19
Carson Basin.																																
Fallon ‖		.31	.18		.19			.01				.05																				0.74
Lahontan	.06	.07		.04				.04			.10	T.																				0.31
Minden	.16	.80	.76					.05			.45																					2.22
Markleeville, Cal	.28	.93	.81							.90	.30																					3.22
Walker Basin.																																
Mina											.19																					0.19
Smith		.37	T.	T.			T.					.67																				1.04
Thorne				.10			.05																									0.15
Yerington	.04	.16		.15							.20																					0.55
Shields Ranch, Cal	T.	1.02	.20	T.						T.	.65																					1.87
Colorado Basin.																																
Las Vegas			.03	.03																												0.06
Logandale			T.	.28	T.																											0.28
Minor Basins.																																
Beatty				.60	.02																											0.62
Duck Flat	.10	.20	.32	.40				.12		.12	.27																					1.53
Gerlach	.18	.25	.32					.12			.60	.12																				1.59
Goldfield				.09	.07	T.		.05																								0.21
Jungo		.64																														0.64
Lemmons Valley	.28	.44	.44	.04			.16			T.	1.29	.02																				2.67
McDermitt	T.						.24	.08	.08																							0.40
McGill				.07	.05	T.	.15				.15																					0.42
Millett				.15			.12	.24		.15	T.																					0.66
Pahrump																																
Quinn River Ranch		.07	.05	.05	.10		.11	.02																								0.40
Rebel Creek	.25				.33	.01	.01	.01											T	T.												0.61
Sand Pass	.13	.30	.53	.05			T.				.94	.06													T.							2.01
Searchlight				.15	.27																											0.42
Sharp				.08				.15																								0.23
Sulphur	.10		.13		.13		T.				.18	T.																				0.54
Tonopah***				.18		.01	.14																									0.33
Vya ‖	.24	.48	.43																													1.15

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. ‡Separate dates of falls not recorded.

Daily evaporation (inches) and wind movement (miles) for December, 1919.

(See temperature and precipitation data in climatological tables, pages 92 to 94.)

Stations.	Data.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Monthly.
Indian Springs*	Evaporation																																
	Wind movement																																
Lamoille*	Evaporation																																
	Wind movement																																
Marlette Lake*	Evaporation																																
	Wind movement																																
Tahoe, Cal. ** †	Evaporation							.080	.040	.160					.130	.160	.020		.030	.040	.090	.090	.090	.150	.190	.230	.130	.150	.070	.090	.120	.160	
	Wind movement	66	1	83	129	92	61	74	119	47	95	87	124	51	26	51	21	14	13	21	54	38	67	48	68	70	87	101	34	35	164	56	1,997

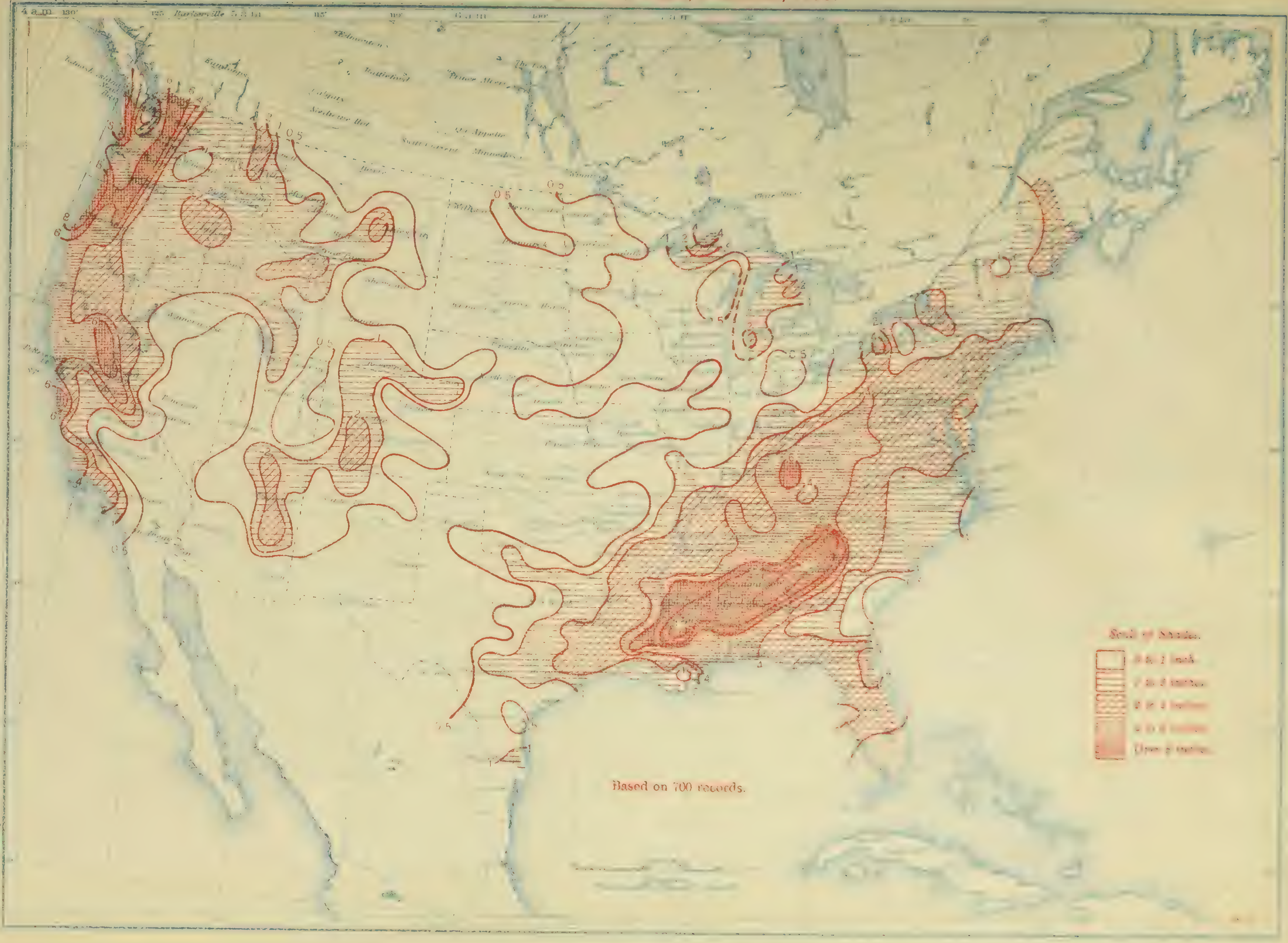
* Observations taken at 7 a. m.; ** at 8 a. m. ‡ Included in next following entry. † Readings made in standard pan exposed on float in lake.

Daily temperatures for December, 1919.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Columbia Basin.																																	
Owyhee	Maximum	32	33	39	42	39	30	27	22	30	40	40	20	18	28	28	30	30	30	48	48	49	52	53	52	46	42	45	35	55	49	33	37.6
	Minimum	20	11	16	11	23	20	19	-7	-9	22	5	8	-22	-10	-7	-6	0	0	14	32	33	30	32	36	30	10	12	8	12	28	9	12.3
San Jacinto	Maximum	38	31	34	41	36	37	30	22	24	39	40	22	16	24	30	36	40	40	41	40	48	45	53	46	41	41	46	45	50	46	40	37.5
	Minimum	23	3	-1	15	21	24	21	-1	-16	19	20	0	-19	-11	0	-3	9	5	9	21	28	22	18	23	28	11	10	6	10	15	16	10.5
Humboldt Basin.																																	
Austin	Maximum	....	52	40	42	52	55	....	50	51	52	46	27	34	43	55	55	66	64	53	60	54	63	63	62	45	53	....	....	....	70	50	52.2
	Minimum	....	14	23	30	17	16	....	2	-9	18	27	6	-5	2	5	12	19	19	27	34	32	33	29	34	28	12	....	....	....	18	18	17.7
Battle Mountain	Maximum	38	41	41	43	48	39	41	34	19	47	44	31	23	24	22	33	36	37	37	47	46	47	51	50	52	50	43	43	44	49	44	40.1
	Minimum	20	21	9	19	31	25	29	-1	14	15	26	16	11	8	14	3	4	8	12	25	26	29	28	27	28	21	18	18	15	22	18	18.0
Clover Valley	Maximum	37	42	45	41	....	....	37	27	28	35	39	29	20	21	30	28	36	40	38	40	45	50	52	50	50	50	38	40	57	43	45	39.1
	Minimum	21	19	6	14	....	....	12	-4	-17	10	17	10	-13	-11	3	2	4	2	10	8	7	6	11	13	12	10	5	3	4	13	10	6.4
Elko	Maximum	43	37	35	44	39	32	30	25	10	38	44	28	17	19	24	28	34	37	37	42	43	42	45	43	44	38	34	37	38	34	39	34.8
	Minimum	30	19	5	10	26	5	12	-8	-26	9	18	9	-17	-15	-12	-3	0	10	15	22	18	15	11	14	12	8	4	0	0	6	1	6.4
Eureka	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Imlay	Maximum	40	25	39	40	45	40	42	25	28	49	47	26	23	29	30	23	34	29	40	48	49	46	52	59	52	49	48	50	45	54	43	40.3
	Minimum	25	19	7	30	30	23	20	2	-18	24	24	10	-4	-7	-5	-2	1	5	15	32	24	29	31	28	30	28	15	20	18	19	26	16.1
Lamoille§§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	20	15	15	20	14	20	15	20	17	14	-15	-10	....	5	-8	5	9	10	15	20	25	22	20	25	15	10	10	15	14	20	10	12.9
Lovelock	Maximum	45	40	44	41	36	30	28	27	22	49	44	30	23	28	30	33	35	38	42	49	51	49	56	58	57	49	48	53	48	54	46	41.4
	Minimum	30	27	16	20	28	21	22	4	-13	10	30	16	-4	-2	0	1	1	4	16	27	25	23	27	23	27	20	17	15	14	22	28	16.1
Metropolis	Maximum	45	45	50	58	58	29	27	27	13	34	42	25	10	15	20	32	38	41	42	43	44	44	41	43	39	36	28	29	31	36	30	35.3
	Minimum	21	15	14	14	25	11	21	-15	-21	9	25	3	-20	-15	-15	-13	-5	0	5	7	10	12	11	19	10	0	-1	-4	7	6	4	4.5
Paradise Valley	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Potts	Maximum	40	38	38	36	38	40	36	30	21	16	20	21	20	24	28	32	38	41	40	41	41	43	41	40	40	38	42	42	40	40	38	34.9
	Minimum	10	7	9	7	8	12	9	10	3	-10	-7	-3	9	11	10	14	10	16	16	15	16	15	12	10	10	9	18	17	17	15	11	9.9
Tecoma	Maximum	38	41	33	39	32	33	22	18	19	29	45	43	27	20	21	27	31	33	37	30	33	36	40	39	44	47	44	39	40	30	40	33.9
	Minimum	21	16	8	11	9	8	6	5	-18	0	2	3	-15	-11	-10	-6	-4	-2	-1	3	2	3	8	7	8	9	10	-1	-2	2	5	2.5
Winnemucca	Maximum	31	33	40	39	36	34	34	22	33	45	45	22	22	27	31	36	39	38	40	48	47	48	50	54	49	44	42	45	46	54	39	39.1
	Minimum	27	19	20	22	27	24	22	-9	-10	29	22	0	-2	-1	4	4	8	6	17	30	27	32	34	27	27	24	19	18	18	27	22	17.2
Truckee Basin.																																	
Marlette Lake§§	Maximum	32	22	26	35	31	32	32	31	18	28	31	31	19	30	34	40	43	48	46	41	48	47	39	46	50	39	42	49	53	47	42	37.2
	Minimum	20	18	19	12	10	5	7	-7	-3	18	28	9	-4	1	2	17	21	23	28	31	27	27	31	31	30	15	18	25	28	29	14	17.1
Reno	Maximum	35	32	35	29	29	20	41	27	42	47	45	29	26	30	32	31	35	35	43	50	51	55	59	65	52	49	48	47	54	59	45	41.2
	Minimum	28	27	20	17	19	7	8	0	-1	31	24	9	9	5	12	14	13	17	27	33	26	32	34	30	29	25	23	22	20	28	22	19.7
Tahoe, Cal.§§	Maximum	35	28	35	40	34	35	32	35	32	34	35	27	26	34	32	36	34	35	34	41	46	50	52	56	48	52	38	39	34	42	46	38.0
	Minimum	23	21	25	18	15	7	18	3	1	19	25	5	-4	4	13	15	19	29	30	31	26	30	31	26	18	16	18	17	19	20	17	17.9
Carson Basin.																																	
Fallon §§	Maximum	41	35	34	33	32	25	35	29	36	50	48	48	24	28	31	31	35	37	43	47	50	53	56	63	51	46	44	44	48	50	43	41.0
	Minimum	25	27	21	7	12	7	14	9	-4	7	34	22	5	6	11	8	10	10	21	26	25	23	28	23	30	18	17	16	15	19	17	16.4
Lahontan §§	Maximum	40	34	38	35	32	31	39	36	37	47	42	30	26	29	32	34	38	38	45	51	54	54	57	60	54	46	47	48	47	53	44	41.9
	Minimum	26	26	19	15	19	5	8	6	1	6	6	22	8	8	13	13	14	17	24	29	28	28	32	31	36	24	23	22	23	23	27	18.8
Minden	Maximum	56	35	36	34	30	26	....	23	41	48	49	38	24	....	32	35	38	40	43	50	....	55	56	61	....	57	45	....	53	60	52	43.0
	Minimum	27	24	21	22	15	2	....	-3	-6	29	32	16	5	....	3	9	11	12	21	28	....	23	26	25	..	19	18	....	16	36	17	17.2
Walker Basin.																																	
Mina	Maximum	37	48	56	68	68	53	44	40	30	48	44	42	34	40	41	45	51	48	44	51	52	57	61	60	55	54	52	53	53	52	46	49.3
	Minimum	4	10	9	12	8	7	2	17	4	26	22	18	9	0	0	6	7	28	32	35	35	34	37	33	22	14	10	18	10	28	18	16.6
Thorne	Maximum	60	62	64	35	40	40	38	40	37	55	55	45	30	36	35	38	40	42	50	56	60	55	60	65	58	53	44	48	57	60	52	48.7
	Minimum	23	32	31	22	28	28	24	19	5	27	41	20	13	10	12	13	15	14	21	31	35	30	30	35	34	20	17	19	23	35	22	23.5
Yerington	Maximum	46	35	40	35	40	38	38	37	44	55	51	33	31	34	38	40	42	...	....	....	56	59	61	63	55	51	50	54	59	62	45	46.1
	Minimum	29	26	22	18	19	2	6	9	-3	20	32	13	4	1	4	5	7	....	....	..	21	18	23	18	29	13	13	11	9	16	15	14.3
Colorado Basin.																																	
Las Vegas	Maximum	58	64	68	60	59	56	56	46	46	52	62	60	64	55	56	65	70	69	63	66	65	62	73	68	65	68	70	70	71	61	62	62.3
	Minimum	25	36	38	42	38	38	30	30	19	22	30	30	24	22	22	26	32	34	28	26	29	29	31	30	30	45	36	30	26	25	32	30.2
Logandale	Maximum	56	60	65	65	58	56	54	49	46	43	53	62	54	55	55	64	70	66	64	64	62	58	62	70	60	66	71	69	72	61	61	60.4
	Minimum	29	29	35	43	41	40	31	39	21	24	26	39	25	20	26	23	30	34	30	20	31	28	27	32	31	35	27	29	31	26	34	30.2
Minor Basins.																																	
Beatty	Maximum	50	50	50	55	50	50	50	40	45	40	60	47	35	45	50	55	60	50	50	50	55	50	59	55	65	68	71	70	60	45	50	52.6
	Minimum	17	19	21	35	25	32	22	22	14	18	17	18	13	12	22	25	24	25	25	25	24	24	30	30	27	29	30	35	27	22	27	23.7
Gerlach	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	22	22	28	36	45	46	49	42	42	37	40	35	31	30	37	......
	Minimum	15	16	17	10	5	4	15	-8	-5	14	15	11	-8	-8	-2	1	6	10	15	22	18	18	25	23	22	19	11	15	17	17	20	11.3
Goldfield	Maximum	34	36	44	40	41	35	40	34	25	35	45	40	35	26	35	38	50	44	54	53	50	50	56	60	46	50	44	45	47	47	49	42.8
	Minimum	15	24	20	28	24	25	20	10	1	17	26	16	3	6	10	15	19	20	20	23	30	32	25	24	30	17	21	22	23	15	17	19.3
McDermitt	Maximum	25	26	25	24	20	19	20	24	35	42	36	30	30	30	34	37	40	38	45	49	52	50	48	53	50	46	45	46	45	48	41	37.2
	Minimum	19	14	18	16	12	4	10	0	7	5	2	-4	-9	8	6	8	12	8	16	20	26	27	25	26	20	17	17	18	19	27	21	13.4
McGill	Maximum	33	38	38	42	39	37	29	28	22	33	41	40	27	37	40	39	44	44	50	49	50	50	53	57	49	46	44	40	58	53	49	41.9
	Minimum	19	25	24	24	23	18	18	15	-6	16	25	13	-4	3	7	11	13	15	19	21	22	33	26	27	34	18	16	20	21	33	17	18.3
Millett	Maximum	43	41	46	40	37	39	37	35	30	50	47	45	29	35	35	36	46	43	44	47	50	53	49	51	52	44	49	48	48	52	45	43.4
	Minimum	20	25	18	21	20	11	15	12	-14	21	31	12	7	7	-3	-4	0	1	10	11	24	19	16	12	20	6	2	2	4	5	4	10.8
Pahrump	Maximum	....	....	....	....	....	....	....	42	38	56	54	64	52	50	63	60	61	62	60	62	54	53	58	61	60	63	65	67	66	52	60	57.2
	Minimum	..	....	....	....	....	....	....	18	18	32	33	37	18	16	16	19	19	29	29	30	27	26	27	28	27	26	23	22	21	23	28	24.7
Rebel Creek	Maximum	36	34	36	37	36	30	33	34	30	40	40	25	23	26	28	32	33	34	36	48	52	51	49	52	49	52	48	42	38	40	41	38.2
	Minimum	24	25	28	23	28	20	20	2	3	25	24	13	-1	8	9	10	10	8	18	26	22	28	30	29	30	19	18	11	11	10	11	17.5
Sand Pass	Maximum	41	34	37	36	36	33	39	37	20	46	43	34	30	19	22	22	23	24	53	36	44	45	47	51	50	45	44	38	36	33	44	36.8
	Minimum	21	24	28	21	17	9	12	-3	-2	12	26	12	-1	5	9	14	14	15	21	27	24	26	29	27	33	23	21	20	23	17	22	17.6
Searchlight	Maximum	48	52	57	52	49	49	40	41	40	49	53	56	45	40	45	50	54	62	61	59	60	62	60	61	65	57	58	60	63	60	58	53.7
	Minimum	30	31	36	42	34	30	31	31	25	26	35	42	22	27	34	36	42	45	40	41	48	44	40	44	41	41	41	43	48	36	40	37.0
Sharp	Maximum	45	38	50	45	44	48	42	40	36	36	26	40	20	25	44	46	46	52	50	54	50	53	53	50	48	50	48	52	56	55	48	45.2
	Minimum	18	18	20	15	17	17	18	16	-8	7	15	15	-3	5	16	18	20	24	26	24	26	28	26	22	26	24	22	21	24	22	18	18.0
Sulphur	Maximum	40	31	35	34	35	32	35	34	31	43	43	35	26	22	27	26	29	26	31	37	41	46	48	53	50	46	39	35	35	34	33	35.9
	Minimum	3	4	13	8	10	4	5	-13	-13	-8	21	8	-15	-14	-8	-7	-4	-4	-2	19	14	19	19	19	21	18	17	12	11	10	10	5.7
Tonopah	Maximum	33	35	43	37	31	32	31	24	21	33	44	24	22	31	39	43	48	46	47	47	46	48	50	51	45	44	45	50	54	43	38	39.5
	Minimum	21	24	26	31	25	23	22	5	4	16	24	9	6	14	24	23	34	27	31	36	38	37	38	39	30	22	30	34	37	31	26	25.4
Vya	Maximum	36	33	34	30	30	25	31	22	24	25	22	22	3	6	19	20	26	37	41	26	37	32	26	30	27	54	65	60	54	58	52	32.2
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

§§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Total Precipitation, Inches, December, 1919.



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